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HIKVISION

PRODUCT QUICK GUIDE
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HIKVISION

HIKVISION UNAUTHORIZED DISTRIBUTORS POLICY

Hikvision Europe sells products only through authorized distributors. We value our industry partners and are proud of the relationships we have developed to help expand the use of our innovative technology products and solutions. These authorized distributors have committed to serve as a link in the Hikvision Europe value chain by providing excellent pre- and post-sale customer service, including full firmware and sales engineering support.

Not every distributor advertising Hikvision products has been authorized by Hikvision Europe to advertise or sell those products. We warn potential customers against purchasing these “gray market” products from unauthorized distributors. Unauthorized distributors may be selling counterfeit, used, or damaged product. Much of the products sold by unauthorized distributors have been altered with modified firmware. Since this means that it is no longer in original factory condition, Hikvision warranty is void, per company policy.

We warn potential customers against purchasing from unauthorized distributors. Purchasing through authorized Hikvision Europe distributors ensures that you receive the benefits of technical support, project registration, dealer loyalty programs and advance replacement of any camera, recorder, monitor, video server, or software, in addition to Hikvision Europe full warranty. Additionally, products purchased through authorized distribution partners have additional features and capabilities that distinguish the Europe offering.

If you have any questions or concerns about the official status of your Hikvision distributor before your purchase, please contact Hikvision Europe Customer Service at support.eu@hikvision.com to confirm their authorized status.

Thank you for your continued support of our industry-leading video surveillance products.

ABOUT HIKVISION

It started with cutting-edge technology: high-definition IP cameras, digital video servers, hybrid and standalone DVRs, NVRs, speed domes, encoders, and decoders. And momentum continues to develop new technologies for a safer future.

Strengthened by one of the largest R&D teams in the video surveillance industry, the innovation behind these products quickly made Hikvision the #1 CCTV and video surveillance equipment provider in the world (2015 IHS Report). A total solution provider, Hikvision manufactures a full suite of video surveillance products and solutions for a broad range of vertical markets, including retail, education, and many others. Whatever the scope or requirements of the application, Hikvision has a user-friendly, highly scalable product to meet those needs.



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GREATER PARTNERSHIPS

Hikvision is pleased to introduce an exclusive, invitation-only Partner Program. We are committed to investing in our installer partners with a focus on capitalisation of project opportunities. Partner with Hikvision and leverage our unique market position as the leading video product manufacturer in the world, while gaining the benefits of an invitation-only program.

From inside sales to engineering support, from customer service to technical support, Hikvision goes the extra mile to provide customers with all of the elements they need for a first-class security system. Hikvision's Dealer Partner Program provides additional resources for dealers to help promote business success through knowledge and valuable tools. Hikvision is committed to protecting and creating business value for its customers.

To learn more about the program, please contact us at partners.eu@hikvision.com

VERTICAL MARKET FOCUS

For a complete overview of all verticals, please visit www.hikvision.com

TRANSPORTATION

Hikvision offers a wide assortment of solutions to meet the needs of transport hubs, roads, highways, and more. Effects of exhaust, sand, winter salt, snow, sleet and high winds are not an issue for Hikvision cameras, which are highly rated and made to resist severe outdoor conditions

HEALTHCARE

Patient monitoring, emergency rooms, pharmacies, speciality departments, and restricted areas are all critical zones that require reliable security equipment. Just as we all depend on our physician to keep us well, we can depend on Hikvision's solutions to ensure the security of healthcare facilities.

EDUCATION

Protection of loved ones is one of Hikvision's highest priorities. Budget-minded school districts find Hikvision's product selection unmatched in the industry. High resolution cameras offer excellent image quality for a market-leading price. Image enhancements, such as wide dynamic range and high definition video, make our products well suited to capture remarkable detail in exterior and interior settings.



RETAIL

Shop and restaurant owners have peace of mind when using Hikvision's high performing products, which are aesthetically pleasing to boot. In each camera category are compact bullet, turret, dome and covert varieties, which provide discreet surveillance in attractive packaging. POS integration, heat mapping, and special counting cameras provide significant business management information. Data collected can then be managed through Hikvision's smart recording equipment.

GOVERNMENT

With strained budgets and changing priorities, safety remains an important issue for government facilities. Significant upgrades to existing analogue infrastructures are possible using our TurboHD™ line of HD-TVI solutions, which deliver HD analogue video without the high costs of networked systems.

SAFE CITIES

Hikvision is dedicated to helping solve public safety issues by providing surveillance systems that address emergency response, disaster management, and overall public safety. A key responsibility of any city is to ensure the safety of its citizens.



CRITICAL INFRASTRUCTURE

Hikvision's Smart Series and Speciality cameras offer performance and features that are ideal for critical security installations. Resolutions of 12 MP, 8 MP (4K), 6 MP and more deliver detailed video images. Darkfighter and Lightfighter solutions provide clear images in any lighting condition. Stainless-steel, high impact and weather-rated cameras withstand harsh environments. Built-in smart analytics provide pre- and post-event details. Data recording and storage products keep records safe and ready for forensic research. Every critical infrastructure setting has its own set of needs, and with Hikvision products, these needs are all met.



DARKFIGHTER ULTRA LOW-LIGHT CAMERAS

Advanced smart features enable Hikvision's new IP Darkfighter cameras to provide exceptionally sharp images even in low-light conditions, whether during the day or at night. Combining outstanding performance and wide range with convenience and ease of use, these sophisticated cameras are taking video surveillance to an entirely new level - the ideal security choice for warehouses, retail outlets, airports, and other sensitive sites.

DARKFIGHTER GIVES YOU ALL THE DETAILS EVEN IN THE DARK



Footage registered by conventional surveillance cameras in low-light conditions is often of little value due to the diminished quality, detail and colours of images. Darkfighter cameras are equipped with 1/2" CMOS progressive scan sensors enabling them to obtain high quality images with good colour value in light levels as low as 0.002 lux, which the human eye perceives as total darkness. Darkfighter cameras are ideal for inconspicuous night time surveillance- their high sensitivity makes additional light sources unnecessary.

DARKFIGHTER IS SMART SURVEILLANCE FOR SUPERIOR SECURITY IN ANY SITUATION



Sometimes image quality isn't enough, especially when it comes to special applications and security for high risk sites. Surveillance cameras often require sophisticated analytical capabilities to ensure they discriminate threats accurately and work reliably in any kind of situation. Features like Smart Defog, Smart Face Detection, Smart Audio Detection, Smart Intrusion Detection, Smart Line Crossing Detection, Smart Video Quality Diagnoses make Darkfighter cameras exceptionally intelligent and able to meet even the most challenging requirements.

DETAILED, HIGH-DEFINITION IMAGES DARKFIGHTER DELIVERS 2 MP FULL HD RESOLUTION



No other camera can match Darkfighter's combination of advanced analytical capabilities, superior performance in challenging conditions and megapixel HD resolution (1920X1080 at 50fps). And that's not all. Darkfighter cameras also feature the Smart Dynamic RoI (Region of Interest) codec, which focuses encoding on a predefined area. Since they save the highest resolution images for the details that really matter, Darkfighter cameras are able to make the most out of two megapixels. Combined, these features make up a camera that has set a new benchmark for professional video surveillance technology.



LIGHTFIGHTER FOR EVEN THE MOST CHALLENGING LIGHT SITUATIONS

Hikvision is set to reach new heights in extremely high contrast imaging with the Lightfighter series of 2MP Smart IP cameras. These cameras incorporate Hikvision's ultra-high 140 dB WDR technology for exceptional, industry-leading visibility in high contrast environments. This cutting-edge feature results in crystal-clear, detail-rich images with true colour reproduction in the most dynamic lighting conditions that would defeat conventional WDR cameras.

KEY FEATURES

140dB WDR TECHNOLOGY



The key to the performance of the Lightfighter cameras is the industry-leading WDR system that allows the camera to record greater scene details. This is true even where the intensity of illumination varies considerably, such as backlighting when very dark and very bright areas appear simultaneously in the field of view.

The innovative Lightfighter image sensor is at the top of camera technology for capturing images in difficult bright-light and high-contrast environments. Superb dynamic performance is a result of the synergy between the 140dB Triple Scan WDR, a Full HD (1920x1080) resolution, and a frame rate of 50fps. In Lightfighter, WDR technology has reached new heights of excellence.

HIGH LOW-LIGHT PERFORMANCE

WITH UP TO 150M IR ARRAYS



Lightfighter is particularly suited to intense backlight situations. This makes it the ideal camera to point towards windows and entrance doors.

IP CAMERAS

HIKVISION OFFERS SEVERAL CHOICES WHEN IT COMES TO IP CAMERAS

SOLUTION SERIES

Solution Series IP cameras are a selection of cameras dedicated for a variety of vertical applications, as they bring intelligence, efficiency and certain specifications to video surveillance. Features like our Darkfighter and Lightfighter technologies provide outstanding image quality in challenging lighting environments. Camera styles vary from box cameras, indoor and outdoor domes, bullets, turrets, covert and fisheye models right up to anti-corrosion, panoramic and people counting cameras. Other key features include high resolution - (up to 12MP), 180° panoramic viewing, smart analytics, vandal proofing and H.265+ compression. With so many options, the Solution Series IP Cameras offer the right performance and specific requirements to satisfy the needs of a broad range of vertical applications.

	BOX CAMERAS		DOME CAMERAS	
				
Model Name	8MP Smart IP Box Camera (Lens not included)	2MP Smart IP Box Camera (Lens not included)	8MP Smart IP Outdoor Dome Camera	6MP Smart IP Outdoor Dome Camera
Model	DS-2CD4085F-AP	DS-2CD4025FWD-AP	DS-2CD4585F-IZH	DS-2CD4565F-IZH
Image Sensor	1/1.7" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.8" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on B/W: 0.0005 lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on
Lens option	Auto back focus, C/CS mount	Auto back focus, C/CS mount	2.8-12mm @ F1.4	2.8-12mm @ F1.4
Horizontal Angle of View	Lens dependent	Lens dependent	96.0° - 32.6°	94.5° - 30.5°
Pan/Tilt/Rotation			Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / Digital	Yes / 140 dB	Yes / Digital	Yes / Digital
IR Range (metres)			Up to 40m	Up to 40m
Video Compression	H.264+/ H.264/ MJPEG	H.264+/ H.264/ MJPEG	H.264+/ H.264/ MJPEG	H.264+/ H.264/ MJPEG
Max. Image Resolution (pixels)	4096 × 2160	1920 × 1080	4096 × 2160	3072 X 2048
Frame Rate (fps)	50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps(4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720	50Hz: 22fps (4096 × 2160), 25fps (3840 × 2160, 1920 × 1080, 1280 × 720) 60Hz: 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps(1920 × 1080, 1280 × 720)	50Hz: 20fps (3072 × 2048), 25fps (3072 × 1728, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3072 × 2048), 30fps (3072 × 1728, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection			IP66,IK10	IP66,IK10
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C
Power Requirements (max.)	24V AC ±10%, 12V DC ±10%, PoE (802.3af)	24V AC ±10%, 12V DC ±10%, PoE (802.3af)	24V AC ±10%,12V DC ±10%,PoE(802.3af) H:24V AC ±10%,12V DC ±10%,PoE(802.3at)	24V AC ±10%,12V DC ±10%,PoE(802.3af) H:24V AC ±10%,12V DC ±10%,PoE(802.3at)
Options	-A: Auto Back Focus -P: P-iris	-A: Auto Back Focus -P: P-iris	-I: IR -Z: Motorised VF lens -H: Heater	-I: IR -Z: Motorised VF lens -H: Heater

*Full Smart Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

						
Model Name	2MP Smart IP Outdoor Dome Camera	2MP Smart IP Outdoor Dome Camera	8MP Smart IP Indoor Dome Camera	6MP Smart IP Indoor Dome Camera	2MP Smart IP Indoor Dome Camera	2MP Smart IP Indoor Dome Camera
Model	DS-2CD4526FWD-IZH	DS-2CD4525FWD-IZH	DS-2CD4185FWD-IZ	DS-2CD4165F-IZ	DS-2CD4126FWD-IZ	DS-2CD4125FWD-IZ
Image Sensor	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan CM0
Min. Illumination	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0002 lux @ F1.4, AGC on	Colour: 0.005 lux @ F1.2, AGC on B/W: 0.007 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0027 lux @ F1.4, AGC on	Colour: 0.005 lux @ F1.2, AGC on B/W: 0.007 lux @ F1.4, AGC on
Lens option	2.8-12mm @ F1.4	2.8-12mm @ F1.4 8-32mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4
Horizontal Angle of View	92° - 32°	2.8-12mm @ F1.4:113-33.8°, 8-32mm @ F1.4: 31.2-10.2°	96.0°-32.6°	94.5° - 30.5°	92° - 32°	113° - 33.8°
Pan/Tilt/Rotation	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	Electronic (-I: IR cut filter with auto switch)	Electronic (-I: IR cut filter with auto switch)
BLC/WDR	Yes / 120 dB	Yes / 140 dB	Yes / Digital	Yes / Digital	Yes / 120 dB	Yes / 140 dB
IR Range (metres)	Up to 40m	Up to 40m	Up to 30m	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.264+/ H.264/ MPEG4/ MJPEG	H.264+/ H.264/ MPEG4/ MJPEG	H.264+/ H.264 / MJPEG	H.264+/ H.264 / MJPEG	H.264+/ H.264/ MPEG4/ MJPEG	H.264+/ H.264/ MPEG4/ MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1920 × 1080	4096 × 2160	3072 × 2048	1920 × 1080	1920 × 1080
Frame Rate (fps)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 22fps (4096 × 2160), 25fps (3840 × 2160, 1920 × 1080, 1280 × 720) 60Hz: 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps(1920 × 1080, 1280 × 720)	50Hz: 20fps (3072 × 2048), 25fps (3072 × 1728, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3072 × 2048), 30fps (3072 × 1728, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66,IK10	IP66,IK10				
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	24V AC ±10%,12V DC ±10%,PoE(802.3af) H:24V AC ±10%,12V DC ±10%,PoE(802.3at)	24V AC ±10%,12V DC ±10%,PoE(802.3af) H:24V AC ±10%,12V DC ±10%,PoE(802.3at)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)
Options	-I: IR -Z: Motorised VF lens -H: Heater	-I: IR -Z: Motorised VF lens -H: Heater	-I: IR -Z: Motorised VF lens	-I: IR -Z: Motorised VF lens	-I: IR -Z: Motorised VF lens	-I: IR -Z: Motorised VF lens

	DOME CAMERAS	ANTI CORROSION DOME	PANOVU	FISHEYE		
						
Model Name	3 MP Ultra-Low Light Smart Dome Camera	2 MP Ultra Low-Light S ICR Day/ Night Anti-Corrosion Dome Camera	PanoVu series panoramic dome camera	12 MP Network Fisheye Camera	6 MP Network Fisheye Camera	3 MP Network Fisheye Camera
Model	DS-2CD4D36FWD-IZS	DS-2CD6626DS-IZHS	DS-2CD6986F(-H)	DS-2CD63C2F-I(V)(S)	DS-2CD6362F-I(V)(S)	DS-2CD6332FWD-I
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.007 lux @ F1.4, AGC on B/W: 0.0007 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on 0 Lux with IR	Colour: 0.002 lux @ F1.2, AGC on	Colour: 0.01 lux @ F1.2, AGC on B/W: 0.04 lux @ F2.4, AGC on	Colour: 0.05 lux @ F1.2, AGC on B/W: 0.25 lux @ F2.6, AGC on	Colour: 0.1 lux @ F1.2, AGC on B/W: 0.28 lux @ F2.0, AGC on
Lens option	2.8-12mm @ F1.4	2.8-12mm @ F1.4	5mm (x4)	2mm @ F2.4	1.27 mm @ F2.6	1.19mm @ F2.0
Horizontal Angle of View	88.5° - 32.8°	92° - 32°	Pan: 180°, Tilt:78.4°	180° (wall mount), 360°(ceiling mount), 360°(table mount)	180° (wall mount), 360°(ceiling mount), 360°(table mount)	180° (wall mount), 360°(ceiling mount), 360°(table mount)
Pan/Tilt/Rotation	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 360°, Tilt: 45° - 90°			
Day/Night	IR cut filter	IR cut filter with auto switch	IR cut filter	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / Digital	Yes / Digital	Yes / Digital	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m		Up to 15m	Up to 15m	Up to 15m
Video Compression	H.265+/ H.265/ H.264+/ H.264 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	2048 × 1536	1920 × 1080	4096 × 1800	4000 × 3072	3072 × 2048	2048 × 1536
Frame Rate (fps)	50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (4096 × 1800, 3840 × 1680, 2400 × 3840, 1200 × 1920) 60Hz: 30fps (4096 × 1800, 3840 × 1680, 1200 × 1920), 24fps (2400 × 3840)	50Hz: 20fps (4000 × 3072), 25fps (3072 × 3072, 2560 × 2560) 60Hz: 20fps (4000 × 3072), 24fps (3072 × 3072), 30fps (2560 × 2560)	50Hz: 25fps (3072 × 2048, 2048x2048, 1280x1280) 60Hz: 24fps (3072x2048), 30fps (2048x2048, 1280x1280)	50Hz: 25fps (2048x1536, 1536x1536) 60Hz: 30fps (2048x1536, 1536x1536)
Multi-Streaming	Triple	Triple	Triple	Dual	Dual	Dual
Smart Features	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Intrusion & Line Crossing Detection, Heat Map	Intrusion & Line Crossing Detection, Heat Map	Intrusion & Line Crossing Detection, Heat Map
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	Built in mic + speaker	Built in mic + speaker	Built in mic + speaker
Alarm Input/Output	2/2 (-S model only)	1/1	1/1	1/1 (with -S model)	1/1 (with -S model)	1/1 (with -S model)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66	IP67	IP66, IK10	IP66, IK10 (with -V model)	IP66, IK10 (with -V model)	IP66, IK10 (with -V model)
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-40 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-10 °C to +50 °C; Humidity 95% or less (non-condensing) H: -30 °C to +60 °C	-10 °C to +50 °C; Humidity 95% or less (non-condensing) H: -30 °C to +60 °C	-10 °C to +50 °C; Humidity 95% or less (non-condensing) H: -30 °C to +60 °C
Power Requirements (max.)	12V DC ± 20%, PoE (802.3af)	AC24V/DC12V PoE(802.3at)	12V DC ± 10%, PoE (802.3at) -H: 24V AC ± 10%, PoE (802.3at)	12V DC ± 10%, PoE (802.3af)	DC 12 V ±10%, 0.78A PoE (802.3af, class 3), 0.33 - 0.21A	12V DC ± 10%, PoE (802.3af)
Options	-I: IR -Z: Motorised VF lens -S: audio I/O; 2-ch alarm I/O; 1-ch RS-485 interface	-I: IR -Z: Motorised VF lens -H: Smart Heater	-H: Smart Heater	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface -V: IK10 Vandal-proof, IP66	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface -V: IK10 Vandal-proof, IP66	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface -H: Heater

*Full Smart Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

	BULLET CAMERAS					
						
Model Name	2MP Low Light Smart Camera	2MP Smart IP Vandal-proof Bullet Camera	3 MP Ultra-Low Light Smart Bullet Camera	4K Smart Bullet Camer	6MP Smart IP Outdoor Bullet Camera	2MP Low Light Smart Camera
Model	DS-2CD4626FWD-IZHS	DS-2CD4625FWD-IZHS	DS-2CD4836FWD-IZ(S)	DS-2CD4A85F-IZHS	DS-2CD4A65F-IZHS	DS-2CD4A26FWD-IZHS
Image Sensor	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Min. Illumination	Colour: 0.002lux @ F1.2, AGC on B/W: 0.0027 lux @ F1.4, AGC on	Colour: 0.005 lux @ F1.2, AGC on B/W: 0.007 lux @ F1.4, AGC on	Colour: 0.007 lux @ F1.4, AGC on B/W: 0.0007 lux @ F1.4, AGC on	Colour: 0.009 lux @ F1.2, AGC on B/W: 0.012 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0027 lux @ F1.4, AGC on
Lens option	2.8-12mm @ F1.4	2.8-12mm @ F1.4 8-32mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4 8-32mm @ F1.4
Horizontal Angle of View	92° - 32°	113° - 33.8° (2.8-12mm) 31.2°-10.2° (8-32mm)	88.5° - 32.8°	96° - 32.6°	94.5° - 30.5°	92° - 32° (2.8-12mm) 42.2°-13.5° (8-32mm)
Pan/Tilt/Rotation			Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°
Day/Night	IR cut filter	IR cut filter with auto switch	IR cut filter	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter
BLC/WDR	Yes / 120 dB	Yes / 140 dB	Yes / 120 dB	Yes / Digital	Yes / Digital	Yes / 120 dB
IR Range (metres)	Up to 50m	Up to 50m (8-32mm 120m)	Up to 30m	Up to 50m	Up to 50m	Up to 50m (8-32mm 100m)
Video Compression	H.264+/ H.264/ MPEG4/ MJPEG	H.264+/ H.264 / MJPEG	H.265+ / H.265 / H.264+/ H.264 / MJPEG	H.264+/ H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MPEG4 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1920 × 1080	2048 × 1536	4096 × 2160	3072 × 2048	1920 × 1080
Frame Rate (fps)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (2048x1536, 1920 × 1080, 1280x960, 1280 × 720) 60Hz: 30fps (2048x1536, 1920 × 1080, 1280x960, 1280 × 720)	50Hz: 22 fps (4096x2160), 25fps (3840x2160, 1920 × 1080, 1280 × 720) 60Hz: 22 fps (4096x2160), 24 fps (3840x2160), 30fps (1920 × 1080, 1280 × 720)	50Hz: 20 fps (3072x2048), 25fps (3072x1728, 2560x2048, 2560x1920, 2048x1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3072x2048), 30fps (3072x1728, 2560x2048, 2560x1920, 2048x1536, 1920 × 1080, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line (-S model only)
Alarm Input/Output	1/1 (with -S model)	1/1 (with -S model)	1/1 (with -S model)	1/1 (with -S model)	1/1 (with -S model)	1/1 (with -S model)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66,IK10	IP66,IK10	IP67	IP67	IP67	IP67
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing) H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing)H: -40 °C to +60 °C	-30 °C to +60 °C Humidity 95% or less (non-condensing) -H: -40 °C to +60 °C
Power Requirements (max.)	24V AC ± 10%, PoE (802.3at)	24V AC ± 10%, PoE (802.3at)	12V DC ± 20%, PoE (802.3at)	12V DC ± 10%, PoE (802.3at)	12V DC ± 10%, PoE (802.3at)	12V DC ± 10%, PoE (802.3at)
Options	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface -H: Heater	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface -H: Heater	-S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface	-S: audio I/O; 1-ch alarm I/O -H: Heater	-S: audio I/O; 1-ch alarm I/O -H: Heater	-S: audio I/O; 1-ch alarm I/O -H: Heater

	BULLET CAMERAS		PIN HOLE CAMERAS		PEOPLE COUNTING
					
Model Name	2MP Smart IP Outdoor Bullet Camera	2MP Separated Network Camera	2MP Covert Network Camera	1.3MP Covert Network Camera	1.3MP Intelligent Network Camera
Model	DS-2CD4A25FWD-IZHS	DS-2CD6426F-50	DS-2CD6424FWD-10/20/30	DS-2CD6412FWD-C1/C2 -L10/-L20/-L30	iDS-2CD6412FWD/C(2.8mm)
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.005 lux @ F1.2, AGC on B/W: 0.0007 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0002 lux @ F2.0, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.028 lux @ F2.0, AGC on	L10/L20/10/20:Colour:0.037lux@F2.3, AGC on B/W: 0.037 lux@F2.3, AGC on L30/30: Colour: 0.028 lux@F2.0, AGC on B/W: 0.0028 lux@F2.0, AGC on	Color:0.01 Lux@(F1.2, AGC ON)0.028 Lux@(F2.0, AGC ON) B/W:0.001 Lux@(F1.2,AGC ON)0.0028 Lux@(F2.0,AGC ON)
Lens option	2.8-12mm @ F1.4 8-32mm @ F1.4	4mm @ F2.0 16mm @ F1.8	L10/L20/10/20: 3.7mm @ F2.5 L30/30: 2.8mm@F2.0/ 4mm @F2.2/ 6mm @ F2.0	L10/L20/10/20: 2.8mm/ 3.7mm @ F2.3 L30/30: 2.0mm/ 2.8mm/ 4mm/ 6mm @ F2.0 -C1: camera body with single lens -C2: camera body with dual lens	2.1mm @ F2.2 2.8mm @ F2.0
Horizontal Angle of View	113°- 33.8° (2.8-12mm) 31.2°-10.2° (8-32mm)	103° (4mm) 25°(16mm)	L10/L20/10/20: 78.5° L30/30: 109.4° (2.8mm), 90° (4mm), 53.9° (6mm)	L10/L20/10/20: 80° (2.8mm), 57° (3.6mm) L30/30: 120° (2.0mm), 92° (2.8mm), 73° (4mm), 46° (6mm)	115° (2.1mm) 92.5° (2.8mm)
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°				
Day/Night	IR cut filter with auto switch	Electronic (auto/ schedule/ trigger by alarm in)	Electronic (auto/ schedule/ trigger by alarm in)	Electronic (auto/ schedule/ trigger by alarm in)	Electronic (auto/ schedule/ trigger by alarm in)
BLC/WDR	Yes / 140 dB	Yes / No	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 50m (8-32mm 100m)				
Video Compression	H.264+/ H.264 / MJPEG	H.264 / MPEG4 / MJPEG	H.264+ / H.264 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1920 × 1080	1920 × 1080	1280 × 960	1280 × 960
Frame Rate (fps)	50Hz: 50fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280x960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280x960, 1280 × 720)	50Hz: 25fps (1280x960, 1280 × 720) 60Hz: 30fps (1280x960, 1280 × 720)	50Hz: 25fps (1280x960, 1280 × 720) 60Hz: 30fps (1280x960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	Full Smart Suite*	People Counting
Motion Detection	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/ mic OUT: 1 line (-S model only)	IN: 1 line/ mic OUT: 1 line	IN: 1 line/ mic OUT: 1 line	IN: 1 line/ mic OUT: 1 line	IN: 1 line/ mic OUT: 1 line
Alarm Input/Output	1/1 (with -S model)	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67	Lens part: IP66	Lens part: IP66	IP66, IK10 (with -V model)	
Operating Conditions	-30 °C to +60 °C Humidity 95% or less (non-condensing) -H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%
Options	-S: audio I/O; 1-ch alarm I/O -H: Heater	2m or 8m cable between camera and body	2m or 8m cable between camera and body	2m or 8m cable between camera and body	

*Full Smart Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

IP CAMERAS

ANPR

The ANPR (Automatic Number Plate Recognition) series ultra-low light smart cameras are able to capture and recognise vehicle number plates of various countries and regions in a dim light environment. They have a dedicated firmware written for the specific needs of traffic management.

ANPR CAMERAS

			
Model Name	2 MP ANPR Ultra-Low Light Bullet Camera	2 MP ANPR Ultra-Low Light Bullet Camera	2 MP ANPR Low Light Box Camera with Housing
Model	DS-2CD4A26FWD-IZIHS/P	DS-2CD4A26FWD-LZS/P	DS-2CD4026FWD/P-L
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Min. Illumination	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0027 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0027 lux @ F1.4, AGC on	Colour: 0.002 lux @ F1.2, AGC on B/W: 0.0002 lux @ F1.2, AGC on
Lens option	2.8 - 12mm @ F1.4 8 - 32mm @ F1.6	2.8 - 12mm @ F1.4	3.8 - 16mm 11 - 40mm
Horizontal Angle of View	92° - 32° (2.8 - 12mm) 42° - 13.5° (8 - 32mm)	92° - 32°	100.6° to 27.3° (3.8 - 16mm) 35.8° to 11.2° (11 - 40mm)
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 50m (8-32mm 100m)	White Light up to 50m	White Light up to 50m (11 - 40mm: 100m)
Video Compression	H.264+/ H.264 / MJPEG	H.264+ / H.264 / MPEG4 / MJPEG	H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1920 × 1080	1920 × 1080
Frame Rate (fps)	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple
Smart Features	Road Traffic and Vehicle Detection	Road Traffic and Vehicle Detection	Road Traffic and Vehicle Detection
Motion Detection	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/ mic OUT: 1 line	IN: 1 line/ mic OUT: 1 line	IN: 1 line/mic OUT: 1 line MIC: Built in
Alarm Input/Output	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66	IP66	IP66
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing) -H: -40 °C to +60 °C	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 10%, PoE (802.3at)	12V DC ± 10%, PoE (802.3at)	24V AC ± 10%
Options	-I: IR -Z: Motorised VF lens -H: Heater -S: audio I/O; 1-ch alarm I/O	-L White Light -Z: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-L White Light

IP CAMERAS

PROFESSIONAL SERIES

Professional Series IP Cameras provide similar choices of high-quality video surveillance cameras for a wide range of applications. Key Hikvision features – such as WDR, 3DDNR, BLC, motorised zoom lenses, and EXIR – are not compromised in this series. This range of products also encompasses cameras supporting H.265+ and H.264+ video compression, cameras with resolutions of up to 8MP and, of course, cameras in any form factor you might be looking for: bullet, dome, turret and even cube. Whatever the application, scope or requirements with Hikvision has a user-friendly, highly scalable product to meet the needs of the enterprise, medium- or small business looking for a professional solution.

DOME CAMERAS



Model Name	2.0 MP Ultra Low Light Smart Dome Camera	4MP WDR Vari-focal Dome Network Camera	2MP WDR Vari-focal Dome Network Camera
Model	DS-2CD4D26FWD-I[2S]	DS-2CD2742FWD-I[2S]	DS-2CD2722FWD-I[2S]
Image Sensor	1/1.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR B/W: 0.0002 Lux @ (F1.2, AGC ON), 0.00027 Lux @ (F1.4, AGC ON), 0 Lux with IR	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.014 lux @ F1.4, AGC on
Lens option	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4
Horizontal Angle of View	90.1° - 31°	112° - 33.8°	106° - 35°
Pan/Tilt/Rotation	Pan: 0° - 355°, Tilt: 0° - 70°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
Day/Night	IR cut filter	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.265+/ H.265 / H.264+ / H.264/ MJPEG	H.264+ / H.264 / MPEG4	H.264+ / H.264 / MPEG4
Max. Image Resolution (pixels)	1920 × 1080	2688 × 1520	1920 × 1080
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720) 60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple
Smart Features	Full Smart Suite*	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection
Motion Detection	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output	2/2 (-S model only)	1/1 (-S model only)	1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66	IP67, IK10	IP67, IK10
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 20%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 2-ch alarm I/O; 1-ch RS-485 interface	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O

*Full Smart Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog



Model Name	5 MP Network Dome Camera	3 MP Ultra-Low Light Network Dome Camera	2 MP Ultra-Low Light Network Dome Camera
Model	DS-2CD2155FWD-I	DS-2CD2135FWD-I[S]	DS-2CD2125FWD-I[S]
Image Sensor	1/2.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on
Lens option	2.8mm, 4mm, 6mm, 8mm, 12mm @ F2.0	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6
Horizontal Angle of View	80° (2.8mm), 63.5° (4mm), 50° (6mm), 33° (8mm), 16° (12mm)	98° (2.8mm), 78.7° (4mm), 48° (6mm), 37° (8mm), 23° (12mm)	108° (2.8mm), 86.4° (4mm), 52° (6mm), 40° (8mm), 25° (12mm)
Pan/Tilt/Rotation	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
Day/Night	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.265+/ H.265/ H.264+ / H.264 / MJPEG	H.265+ / H.265/ H.264+ / H.264 / MJPEG	H.265+ / H.265/ H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	2560 × 1920	2048 × 1536	1920 × 1080
Frame Rate (fps)	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	Triple	Triple	Triple
Smart Features	Behaviour Analysis,Line Crossing&Intrusion detection,objects removal & Unattended Baggage detection,Face detection	Behaviour Analysis,Line Crossing&Intrusion detection,objects removal & Unattended Baggage detection,Face detection	Behaviour Analysis,Line Crossing&Intrusion detection,objects removal & Unattended Baggage detection,Face detection
Motion Detection	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67, IK10	IP67, IK10	IP67, IK10
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-I: Smart IR -S: audio I/O; 1-ch alarm I/O	-I: Smart IR -S: audio I/O; 1-ch alarm I/O

	DOME CAMERAS				MINI PT CAMERA
					
Model Name	4MP WDR Fixed Dome Network Camera	2MP WDR Fixed Dome Network Camera	4MP WDR Mini Dome Network Camera	2MP WDR Mini Dome Network Camera	4MP WDR Mini PT Network Camera
Model	DS-2CD2142FWD-I(W)(S)	DS-2CD2122FWD-I(W)(S)	DS-2CD2542FWD-IS	DS-2CD2522FWD-I(W)(S)	DS-2CD2F42FWD-IWS
Image Sensor	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.028 lux @ F2.0, AGC on
Lens option	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm
Horizontal Angle of View	106° [2.8mm], 83° [4mm], 55.4° [6mm]	115° [2.8mm], 90° [4mm], 53.9° [6mm]	106° [2.8mm], 83° [4mm], 55.4° [6mm]	100° [2.8mm], 90° [4mm], 53.9° [6mm]	106°[2.8mm], 83°[4mm], 55.4°[6mm]
Pan/Tilt/Rotation	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: -30° - 30°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: -30° - 30°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: -90° - 355°, Tilt: 0° - 75°
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 10m	Up to 10m	Up to 10m
Video Compression	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	2688 × 1520	1920 × 1080	2688 × 1520	1920 × 1080	2688 × 1520
Frame Rate (fps)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720)60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720)60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1920 × 960, 1280 × 720)60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1920 × 960, 1280 × 720)
Multi-Streaming	Dual	Dual	Dual	Dual	Dual
Smart Features	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection
Motion Detection	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)	Built-in Mic OUT: 1 line (-S model only)	Built-in Mic OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67, IK10	IP67, IK10	IP67, IK08	IP67, IK08	
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-10 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-S: audio I/O; 1-ch alarm I/O -W: Built in Wifi	-S: audio I/O; 1-ch alarm I/O -W: Built in Wifi	-S: Built-in Mic, audio out; 1-ch alarm I/O -W: Built in Wifi	-S: Built-in Mic, audio out; 1-ch alarm I/O -W: Built in Wifi	-I: Smart IR -S: audio I/O; 1-ch alarm I/O -W: Built in Wifi

	TURRET CAMERAS			
				
Model Name	5 MP Network Turret Camera	2 MP Ultra-Low Light Network Turret Camera	4MP WDR EXIR Turret Network Camera	2MP WDR EXIR Turret Network Camera
Model	DS-2CD2355FWD-I	DS-2CD2325FWD-I	DS-2CD2342WD-I	DS-2CD2322WD-I
Image Sensor	1/2.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on
Lens option	2.8mm, 4mm, 6mm, 8mm, 12mm @ F2.0	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0
Horizontal Angle of View	81° [2.8mm], 63.5° [4mm], 50° [6mm], 33° [8mm], 16° [12mm]	108° [2.8mm], 86.4° [4mm], 52° [6mm], 40° [8mm], 25° [12mm]	106° [2.8mm], 83° [4mm], 55.4° [6mm]	109.4° [2.8mm], 90° [4mm], 53.9° [6mm]
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°
Day/Night	IR cut filter	IR cut filter	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	2560 × 1920	1920 × 1080	2688 × 1520	1920 × 1080
Frame Rate (fps)	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720)60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	Triple	Triple	Dual	Dual
Smart Features	Behaviour Analysis,Line Crossing & Intrusion detection,objects removal & Unattended Baggage detection,Face detection	Behaviour Analysis,Line Crossing & Intrusion detection,objects remova & Unattended Baggage detection,Face detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output				
Alarm Input/Output				
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67	IP67	IP67	IP67
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-I: Smart IR	-I: Smart IR	-I: Smart IR	-I: Smart IR

	FISHEYE CAMERA		BULLET CAMERAS		
					
Model Name	4MP Compact Fisheye Network Camera	2.0 MP Ultra-Low Light Smart Bullet Camera	5 MP Network Bullet Camera	3 MP Ultra-Low Light Network Bullet Camera	
Model	DS-2CD2942F-I(I)(S)	DS-2CD4B26FWD-I(ZS)	DS-2CD2T55FWD-I(S)	DS-2CD2T35FWD-I(S)	
Image Sensor	1/3" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.9" progressive scan CMOS	1/2.8" progressive scan CMOS	
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Colour: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR B/W: 0.0002 Lux @ (F1.2, AGC ON), 0.00027 Lux @ (F1.4, AGC ON), 0 Lux with IR	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on	
Lens option	1.6mm @ 2.0	2.8 - 12mm @ F1.4	2.8mm, 4mm, 6mm, 8mm, 12mm @ F2.0	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6	
Horizontal Angle of View	180°	90.1° - 31°	81° (2.8mm), 63.5° (4mm), 50° (6mm), 33° (8mm), 16° (12mm)	98° (2.8mm), 78.7° (4mm), 48° (6mm), 37° (8mm), 23° (12mm)	
Pan/Tilt/Rotation		Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	
Day/Night	Electronic (-I: IR cut filter with auto switch)	IR cut filter	IR cut filter	IR cut filter	
BLC/WDR	Yes / No	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	
IR Range (metres)	Up to 8m(-I)	Up to 30m	Up to 50m	Up to 50m	
Video Compression	H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	
Max. Image Resolution (pixels)	2560 × 1440	1920 × 1080	2560 × 1920	2048 × 1536	
Frame Rate (fps)	50Hz: 12.5fps (2560 × 1440), 25fps(1920×1080, 1280×720) 60Hz: 15fps (2560 × 1440), 30fps(1920×1080, 1280×720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 ×720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 ×720)	50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	
Multi-Streaming		Triple	Triple	Triple	
Smart Features	Intrusion & Line Crossing Detection	Full Smart Suite *	Behaviour Analysis, Line Crossing & Intrusion detection, objects removal & Unattended Baggage detection, Face detection	Behaviour Analysis, Line Crossing & Intrusion detection, objects removal & Unattended Baggage detection, Face detection	
Motion Detection	Yes	Yes	Yes	Yes	
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)			
Alarm Input/Output	1/1 (-S model only)	1/1 (-S model only)			
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	
Protection		IP67	IP67	IP67	
Operating Conditions	-10 °C to +40 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	
Power Requirements (max.)	12V DC ± 10%, PoE (802.3af)	12V DC ± 20%, PoE (802.3at)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	
Options	-I: Smart IR -S: audio I/O; 1-ch alarm I/O	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O; 1-ch RS-485 interface	-I: Smart IR	-I: Smart IR	

*Full Smart Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

				
Model Name	2 MP Ultra-Low Light Network Bullet Camera	4 MP EXIR Bullet Network Camera	2.0MP EXIR Network Bullet Camera	4MP WDR Vari-focal Bullet Network Camera
Model	DS-2CD2T25FWD-I(S)	DS-2CD2T42WD-I3/I5/I8	DS-2CD2T22WD-I3/I5/I8	DS-2CD2642FWD-I(Z)S
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.005 lux @ F1.2, AGC on	Colour: 0.028 lux @ F2.0, AGC on	Colour: 0.028 lux @ F2.0, AGC on	Colour: 0.014 lux @ F1.4, AGC on
Lens option	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6	-I3: 4,6mm; -I5: 4,6,12mm; -I8: 6,12,16mm @F2.0	-I3: 4,6mm; -I5: 4,6,12mm; -I8: 6,12,16mm @ F2.0	2.8 - 12 mm @ F1.4
Horizontal Angle of View	108° (2.8mm), 86.4° (4mm), 52° (6mm), 40° (8mm), 25° (12mm)	83°(4mm), 55.4°(6mm), 24.7°(12mm), 19.1°(16mm)	90°(4mm), 53.9°(6mm), 24.3°(12mm), 18.9°(16mm)	112° - 33.8°
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 100°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
Day/Night	IR cut filter	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 50m	Up to 30m(-I3), Up to 50m(-I5), Up to 80m(-I8)	Up to 30m(-I3), Up to 50m(-I5), Up to 80m(-I8)	Up to 30m
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG	H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	2688 × 1520	1920 × 1080	2688 × 1520
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720) 60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720) 60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)
Multi-Streaming	Triple	Dual	Dual	Dual
Smart Features	Behaviour Analysis, Line Crossing & Intrusion detection, objects removal & Unattended Baggage detection, Face detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output				IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output				1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.			MicroSD, 128 GB max.
Protection	IP67	IP67	IP67	IP67
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-I: Smart IR	-I: Smart IR	-I: Smart IR	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O

BULLET CAMERAS



Model Name	2MP WDR Vari-focal Bullet Network Camera	5 MP Network Bullet Camera	3 MP Ultra-Low Light Network Bullet Camera	2 MP Ultra-Low Light Network Bullet Camera
Model	DS-2CD2622FWD-I(Z)S	DS-2CD2055FWD-I	DS-2CD2035FWD-I	DS-2CD2025FWD-I
Image Sensor	1/2.8" progressive scan CMOS	1/2.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.014 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on	Colour: 0.005 lux @ F1.2, AGC on
Lens option	2.8 - 12 mm @ F1.4	2.8mm, 4mm, 6mm, 8mm, 12mm @ F2.0	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6	2.8mm, 4mm, 6mm, 8mm, 12mm @ F1.6
Horizontal Angle of View	106° - 35°	81° (2.8mm), 63.5° (4mm), 50° (6mm), 33° (8mm), 16° (12mm)	98° (2.8mm), 78.7° (4mm), 48° (6mm), 37° (8mm), 23° (12mm)	108° (2.8mm), 86.4° (4mm), 52° (6mm), 40° (8mm), 25° (12mm)
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
Day/Night	IR cut filter with auto switch	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.264+/ H.264 / MJPEG	H.265+/ H.265 / H.264+/ H.264 / MJPEG	H.265+/ H.265 / H.264+/ H.264 / MJPEG	H.265+/ H.265 / H.264+/ H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	2560 × 1920	2048 × 1536	1920 × 1080
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Multi-Streaming	Dual	Triple	Triple	Triple
Smart Features	Intrusion, line crossing and motion detection	Behaviour Analysis, Line rossing&Intrusion detection, objects removal&Unattended Baggage detection, Face detection	Behaviour Analysis, Line rossing&Intrusion detection, objects removal&Unattended Baggage detection, Face detection	Behaviour Analysis, Line rossing&Intrusion detection, objects removal&Unattended Baggage detection, Face detection
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)			
Alarm Input/Output	1/1 (-S model only)			
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67	IP67	IP67	IP67
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)
Options	-I: Smart IR -Z: Smart Focus: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-I: Smart IR	-I: Smart IR	-I: Smart IR

CUBE CAMERAS



Model Name	4MP WDR Mini Bullet Network Camera	2MP WDR Mini Bullet Network Camera	4.0 MP WDR Network Cube Camera
Model	DS-2CD2042WD-I	DS-2CD2022WD-I	DS-2CD2442FWD-IW
Image Sensor	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on
Lens option	4mm, 6mm @ F2.0	4mm, 6mm @ F2.0	2mm, 2.8mm, 4mm @ F2.0
Horizontal Angle of View	83°(4mm) , 55.4°(6mm)	90°(4mm) , 53.9°(6mm)	126° (2mm), 105.8° (2.8mm), 83° (4mm)
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / 120 dB	Yes / 120 dB	Yes / 120 dB
IR Range (metres)	Up to 30m	Up to 30m	Up to 10m
Video Compression	H.264+/ H.264/ MJPEG	H.264+/ H.264/ MJPEG	H.264+/ H.264/ MJPEG
Max. Image Resolution (pixels)	2688 × 1520	1920 × 1080	2688 × 1520
Frame Rate (fps)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720) 60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 20 fps (2688 × 1520), 25fps (1920 × 1080, 1280 × 720) 60Hz: 20 fps (2688 × 1520), 30fps (1920 × 1080, 1280 × 720)
Multi-Streaming	Dual	Dual	Dual
Smart Features	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection	Intrusion, line crossing and motion detection
Motion Detection	Yes	Yes	Yes
Audio Input/Output			Built-in Mic Built-in Speaker
Alarm Input/Output			1/1
Local Storage			MicroSD, 128 GB max.
Protection	IP67	IP67	
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-10 °C to +40 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 25%, PoE (802.3af)	12V DC ± 25%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)
Options	-I: Smart IR	-I: Smart IR	-I: Smart IR -W: Built in Wifi

IP CAMERAS

ECONOMIC SERIES

Economic Series IP Cameras provide SMB businesses with high-quality video surveillance cameras of the global market. Sometimes all the available features are just not needed, and simply a decent, crisp and crystal clear image will do the trick. For these businesses and applications Hikvision offers cameras wich do just that: deliver world-class video surveillance beyond expectation. Key Hikvision features – such as WDR, 3DDNR, BLC or motorised zoom lenses – are not compromised. As the world leader we do maintain certain standards. And of course there is a range of form factors to choose from like bullet, dome, cube and even recessed. Within this segment, Hikvision offers a series of user-friendly, full HD cameras that will satisfy any medium- or small business looking for a professional solution.

	DOME CAMERAS			
				
Model Name	2 MP CMOS Vandal-proof Network Dome Camera	1.3 MP CMOS Vandal-proof Network Dome Camera	2 MP CMOS Vandal-proof Network Dome Camera	1.3 MP CMOS Vandal-proof Network Dome Camera
Model	DS-2CD2720F-I(Z)(S)	DS-2CD2710F-I(S)	DS-2CD2120F-I	DS-2CD2110F-I
Image Sensor	1/2.7" progressive scan CMOS	1.3 Megapixel CMOS Vandal-proof Network Dome Camera	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.014 lux @ F1.4, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.028 lux @ F2.0, AGC on
Lens option	2.7-12mm @ F1.4	2.7-12mm @ F1.4	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0
Horizontal Angle of View	113°-33.8	98°-30.2°	106°(2.8mm), 85°(4mm), 52°(6mm)	92.5°(2.8mm), 73.1°(4mm), 46°(6mm)
Pan/Tilt/Rotation	Pan:0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan:0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan:0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan:0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / Digital	Yes / Digital	Yes / Digital	Yes / Digital
IR Range (metres)	20-30m	20-30m	Up to 30m	Up to 30m
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1280 × 960	1920 × 1080	1280 × 960
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1280 × 960, 1280 × 720)
Multi-Streaming	Dual	Dual	Dual	Dual
Smart Features	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)	IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)	1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)
Options	-I: IR -Z: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-I: IR -Z: Motorised VF lens -S: audio I/O; 1-ch alarm I/O	-I: IR -S: audio I/O; 1-ch alarm I/O -W: Built in Wifi	-I: IR -S: audio I/O; 1-ch alarm I/O -W: Built in Wifi

	BULLET CAMERAS		
			
Model Name	2 MP CMOS Network Mini Dome Camera	1.3 MP CMOS Network Mini Dome Camera	2.0MP Recessed Mount Dome Camera
Model	DS-2CD2520F	DS-2CD2510F	DS-2CD2E20F-W
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on
Lens option	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm
Horizontal Angle of View	106°(2.8mm), 85°(4mm), 52°(6mm)	92.5°(2.8mm), 73.1°(4mm), 46°(6mm)	106°(2.8mm), 85°(4mm), 52°(6mm)
Pan/Tilt/Rotation	Pan: -15° - +15°, Tilt: 0° - 90°, Rotate: -15° - +15°	Pan: -15° - +15°, Tilt: 0° - 90°, Rotate: -15° - +15°	
Day/Night	Electronic	Electronic	Electronic
BLC/WDR	Yes / Digital	Yes / Digital	Yes / Digital
IR Range (metres)			20-30m
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1280 × 960	1920 × 1080
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Streaming	Dual	Dual	Dual
Smart Features	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis
Motion Detection	Yes	Yes	Yes
Audio Input/Output			IN: 1 line OUT: 1 line (-S model only)
Alarm Input/Output			1/1 (-S model only)
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67, IK10	IP67, IK10	IP67
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-10 °C to +40 °C; Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)
Options		-W: Built in Wifi	-I: IR -S: audio I/O; 1-ch alarm I/O -Z: Motorised VF lens

	BULLET CAMERA		CUBE CAMERAS	
				
Model Name	2 MP CMOS ICR Infrared Network Bullet Camera	1.3 MP CMOS ICR Infrared Network Bullet Camera	2 MP CMOS Alarm Pro Cube Camera	1.0 MP CMOS Alarm Pro Cube Camera
Model	DS-2CD2020F-I(W)	DS-2CD2010F-I(W)	DS-2CD2420F-I(W)	DS-2CD2410F-I(W)
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/4" progressive scan CMOS
Min. Illumination	Colour: 0.028 lux @ F2.0, AGC on	Colour: 0.028 lux @ F2.0, AGC on	Colour: 0.028 lux @ F2.0, AGC on	0.01Lux @(F1.2,AGC ON) ,0 Lux with IR 0.028Lux @ (F2.0, AGC ON) ,0 Lux with IR
Lens option	4mm, 6mm @ F2.0	4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0	2.8mm, 4mm, 6mm @ F2.0
Horizontal Angle of View	85°(4mm), 52°(6mm)	92.5°(2.8mm), 73.1°(4mm),46°(6mm)	106°(2.8mm), 85°(4mm), 52°(6mm)	55°(4mm)
Pan/Tilt/Rotation	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, tilt: 0° - 90°, Rotate: 0° - 360°		
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
BLC/WDR	Yes / Digital	Yes / Digital	Yes / Digital	Yes / Digital
IR Range (metres)	Up to 30m	Up to 30m	Up to 10m	Up to 10m
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Image Resolution (pixels)	1920 × 1080	1280 × 960	1920 × 1080	1280 × 720
Frame Rate (fps)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1280 × 720, 704 × 576, 640 × 480)
Multi-Streaming	Dual	Dual	Dual	Dual
Smart Features	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis	Line crossing, Intrusion & motion detection, Dynamic analysis, Passive Infrared detection	Line crossing, Intrusion & motion detection, Dynamic analysis, Passive Infrared detection
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output			Built-in Mic Built-in Speaker	Built-in Mic Built-in Speaker
Alarm Input/Output			1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP67	IP67		
Operating Conditions	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-30 °C to +60 °C; Humidity 95% or less (non-condensing)	-10 °C – 40°C (14 °F – 104 °F), Humidity 95% or less (non-condensing)	-10 °C – 40°C (14 °F – 104 °F), Humidity 95% or less (non-condensing)
Power Requirements (max.)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)	12V DC ± 10%, PoE (802.3af)
Options	-I: IR -W: Built in Wifi	-I: IR -W: Built in Wifi	-I: IR -W: Built in Wifi	-I: IR -W: Built in Wifi

IP PTZ CAMERAS

SOLUTION SERIES

Hikvision's revolutionary Darkfighter technology is included in the range. The Solution Series PTZ Cameras provides an array of benefits, including true WDR, up to a 36x optical zoom lens, an IR range of up to 200 metres and Darkfighter technology. Using video content analysis, the camera determines when line crossing, intrusion, and region entry and exit events have occurred, and it immediately sends alerts to the user. ROI encoding and Smart Tracking allow for even more efficient video surveillance, making this series the top-of-the-class choice PTZ cameras.

	IR OUTDOOR PTZ		OUTDOOR PTZ	
	 	 	 	 
Model Name	2MP Ultra-low Light Smart PTZ Camera		2MP Ultra-low Light Smart PTZ Camera	
Model	DS-2DF8236I-AEL(W)		DS-2DF6223-AEL	
Image Sensor	1/1.9" progressive scan CMOS		1/1.9" progressive scan CMOS	
Min. Illumination	Colour: 0.002 lux @ F1.5, AGC on B/W: 0.0002 lux @ F1.5, AGC on		Colour: 0.002 lux @ F1.5, AGC on B/W: 0.0002 lux @ F1.5, AGC on	
Lens	5.7-205.2mm @ F1.5-F4.5		5.7-205.2mm @ F1.5-F4.5	
Horizontal Angle of View	58.7° - 2.0°		58.7° - 2.0°	
Optical zoom	36 x		36 x	
Pan Range	360° endless		360° endless	
Tilt Range	-20° - 90° (Auto Flip)		-15° - 90° (Auto Flip)	
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s		Pan: 0.1° - 300°/s Tilt: 0.1° - 240°/s	
Pan & Tilt speed (preset)	Pan: 240°/s Tilt: 200°/s		Pan: 540°/s Tilt: 400°/s	
Day/Night	IR cut filter		IR cut filter	
BLC/WDR	Yes / 120 db		Yes / 120 db	
Electronic Image Stabilisation	1920 × 1080		1920 × 1080	
IR Range (metres)	Up to 200m			
Smart Features / Presets / Tours / Patterns	Smart tracking, Smart detection, Rol encoding		Smart tracking, Smart detection, Rol encoding	
Video Compression	H.264 / MPEG4 / MJPEG		H.264 / MPEG4 / MJPEG	
Max. Image Resolution (pixels)	1920 × 1080		1920 × 1080	
Frame Rate (fps)	50Hz: 25fps(1920×1080, 1280×960, 1280×720) 60Hz: 30fps(1920×1080, 1280×960, 1280×720)		50Hz: 25fps(1920×1080, 1280×960, 1280×720) 60Hz: 30fps(1920×1080, 1280×960, 1280×720)	
Audio Input/Output	IN: 1 line/ mic OUT: 1 line		IN: 1 line/ mic OUT: 1 line	
Alarm Input/Output	7/2		7/2	
Local Storage	MicroSD, 128 GB max.		MicroSD, 128 GB max.	
Protection	IP66, IK10		IP67, IK10	
Operating Conditions	-40 °C to +60 °C; Humidity 90% or less (non-condensing)		-40 °C +65 °C; Humidity 90% or less (non-condensing)	
Power Requirements (max.)	24V AC , HiPoE		24V AC , HiPoE	
Options	-W: Wiper			

IP PTZ CAMERAS

PROFESSIONAL SERIES

Professional Series PTZ cameras
Hikvision offers the perfect solution for professional implementation of PTZ cameras, providing up to 30x optical zoom. Within this segment IP66 rating is standard, and selected models even have an IK10 rating. The are outdoor and indoor models with an image resolution of up to 3MP. The premium models combine this with the latest compression technology (H.265+) to minimise bandwidth requirements and storage needs.

	IP PTZ OUTDOOR		
			
Model Name	3MP 30× Network IR Speed Dome	2MP 30× Network IR Speed Dome	2MP 20× Network IR Speed Dome
Model	DS-2DE7330IW-AE	DS-2DE7230IW-AE	DS-2DE7220IW-AE
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.05 lux @ F1.5, AGC on B/W: Colour: 0.01 Lux @ F1.5, AGC on	Colour: 0.05 lux @ F1.5, AGC on B/W: Colour: 0.01 Lux @ F1.5, AGC on	Colour: 0.05 lux @ F1.5, AGC on B/W: Colour: 0.01 Lux @ F1.5, AGC on
Lens	4.3-129mm @ F1.6-F5.0	4.3-129mm @ F1.6-F5.0	4.3-94mm @ F1.6-F3.5
Horizontal Angle of View	57.4° - 2.8°	65.5° - 2.11°	61.4° - 2.9°
Optical zoom		30 x	20 x
Pan Range	360° endless	360° endless	360° endless
Tilt Range	-15° to +90°	-15° to +90°	-15° to +90°
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s
Pan & Tilt speed (preset)	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s
Day/Night	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes / Digital	Yes / Digital	Yes / Digital
Electronic Image Stabilisation			
IR Range (metres)	Up to 150m	Up to 150m	Up to 150m
Smart Features / Presets / Tours / Patterns	Intrusion, Line Crossing, Detection, Rol Encoding	Intrusion, Line Crossing, Detection, Rol Encoding	Intrusion, Line Crossing, Detection, Rol Encoding
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	2048 × 1536	1920 × 1080	1920 × 1080
Frame Rate (fps)	50Hz: 25fps (2048 × 1536, 1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080), 60fps (1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/1	2/1	2/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66	IP66	IP66
Operating Conditions	-30 °C +65 °C; Humidity 90% or less (non-condensing)	-30 °C +65 °C; Humidity 90% or less (non-condensing)	-30 °C +65 °C; Humidity 90% or less (non-condensing)
Power Requirements (max.)	24V AC , Hi PoE	24V AC , Hi PoE	24V AC , Hi PoE
Options			

				
Model Name	1.3MP 30X Network IR PTZ Dome Camera	1.3MP 20X Network IR PTZ Dome Camera	2MP 30× Network Speed Dome	2MP 20× Network Speed Dome
Model	DS-2DE7130IW-AE	DS-2DE7120IW-AE	DS-2DE5230W-AE	DS-2DE5220W-AE
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination	Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on	Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on	Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on	Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on
Lens	4.3-129mm @ F1.6-F5.0	4.7-94mm @ F1.6-F3.5	4.3-129mm @ F1.6-F5.0	4.7-94mm @ F1.6-F3.5
Horizontal Angle of View	65.5° - 2.11°	58.3° - 3.2°	65.5° - 2.11°	61.4° - 2.9°
Optical zoom	30 x	20 x	30 x	20 x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to +90°	-15° to +90°	-15° to +90°	-15° to +90°
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 250°/s Tilt: 0.1° - 150°/s	Pan: 0.1° - 250°/s Tilt: 0.1° - 150°/s
Pan & Tilt speed (preset)	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s
Day/Night	IR cut filter	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes / Digital	Yes / Digital	Yes / Digital	Yes / Digital
Electronic Image Stabilisation				
IR Range (metres)	Up to 150m	Up to 150m		
Smart Features / Presets / Tours / Patterns	Intrusion, Line Crossing, Detection, Rol Encoding	Intrusion, Line Crossing, Detection, Rol Encoding	Intrusion, Line Crossing, Detection	Intrusion, Line Crossing
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Max. Image Resolution (pixels)	1280 × 960	1280 × 960	1920 × 1080	1920 × 1080
Frame Rate (fps)	50Hz: 50fps (1280 × 960, 1280 × 720) 60Hz: 60fps (1280 × 960, 1280 × 720)	50Hz: 50fps (1280 × 960, 1280 × 720) 60Hz: 60fps (1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)
Audio Input/Output	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/1	2/1	2/1	2/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Protection	IP66	IP66	IP66, IK10	IP66, IK10
Operating Conditions	-30 °C +65 °C; Humidity 90% or less (non-condensing)	-30 °C +65 °C; Humidity 90% or less (non-condensing)	-30 °C +65 °C; Humidity 90% or less (non-condensing)	-30 °C +65 °C; Humidity 90% or less (non-condensing)
Power Requirements (max.)	24V AC , HiPoE	24V AC , HiPoE	24V AC , PoE+ [802.3at]	24V AC , PoE+ [802.3at]
Options				

		IP PTZ OUTDOOR		IP PTZ INDOOR		
Model Name	2MP 20× Network IR Speed Dome		3MP 30× Network Speed Dome		2MP Network PTZ Dome Camera	
Model	DS-2DE5220IW-AE		DS-2DE5330W-AE		DS-2DF5284-AE3	
Image Sensor	1/2.8" progressive scan CMOS		1/2.8" progressive scan CMOS		1/2.8" progressive scan CMOS	
Min. Illumination	Colour: 0.02 Lux @(F1.5, AGC ON) B/W: 0.002Lux @(F1.5, AGC ON) 0 Lux with IR		Colour: 0.05 lux @ F1.5, AGC on B/W: Colour: 0.01 Lux @ F1.5, AGC on		Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On) B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)	
Lens	4.7-94mm @ F1.6-F3.5		4.3-129mm @ F1.6-F5.0		4.7-94mm @ F1.6-F3.5	
Horizontal Angle of View	58.3° - 3.2°		57.4° - 2.8°		58.3° - 3.2°	
Optical zoom	20 x		30 x		20 x	
Pan Range	360° endless		360° endless		360° endless	
Tilt Range	-15° to +90°		-15° to +90°		-5° to +90°	
Pan & Tilt speed (manual)	Pan: 0.1° - 400°/s Tilt: 0.1° - 200°/s		Pan: 0.1° - 250°/s Tilt: 0.1° - 150°/s		Pan: 0.1° - 300°/sw Tilt: 0.1° - 240°/s	
Pan & Tilt speed (preset)	Pan: 400°/s Tilt: 200°/s		Pan: 300°/s Tilt: 200°/s		Pan: 540°/s Tilt: 400°/s	
Day/Night	IR cut filter		IR cut filter		IR cut filter	
BLC/WDR	Yes / Digital		Yes / Digital		Yes / Digital	
Electronic Image Stabilisation						
IR Range (metres)	Up to 150m					
Smart Features / Presets / Tours / Patterns	Intrusion & line crossing detection		Intrusion & line crossing detection		Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Motion detection	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG		H.265+ / H.265 / H.264+ / H.264 / MJPEG		H.264 / MPEG4 / MJPEG	
Max. Image Resolution (pixels)	1920 × 1080		2048 × 1536		1920 × 1080	
Frame Rate (fps)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)		50Hz: 25fps (2048 × 1536, 1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080), 60fps (1280 × 960, 1280 × 720)		50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	
Audio Input/Output	IN: 1 line OUT: 1 line		IN: 1 line OUT: 1 line		IN: 1 line OUT: 1 line	
Alarm Input/Output	2/1		2/1		7/2	
Local Storage	MicroSD, 128 GB max.		MicroSD, 128 GB max.		MicroSD, 128 GB max.	
Protection	IP66		IP66, IK10		IP66 outdoor;IK10,indoor:IK09	
Operating Conditions	-30 °C +65 °C; Humidity 90% or less (non-condensing)		-30 °C +65 °C; Humidity 90% or less (non-condensing)		-10 °C to +50 °C; Humidity 90% or less (non-condensing)	
Power Requirements (max.)	24V AC , HiPoE (802.3at)		24V AC , PoE+ (802.3at)		24V AC , HiPoE	
Options						

IP PTZ CAMERAS

ECONOMIC SERIES

For the price sensitive market there are the Economic Series PTZ Cameras: ranging from outdoor and indoor cameras, cameras (with and without IR illumination technology) up to mini PTZ cameras. At the same time Hikvision will be true form and include innovative solutions like H.265+ encryption where possible and appropriate!

						
		 				
Model Name	2.0 MP 4-inch 20X Network PTZ Dome Camera		2MP Network IR PTZ Camera		2.0 MP Network IR Mini PTZ Camera	
Model	DS-2DE4220W-AE		DS-2DE4A220IW-DE		DS-2DE2204IW-DE3/W	
Image Sensor	1/2.8" progressive scan CMOS		1/2.8" progressive scan CMOS		1/2.8" progressive scan CMOS	
Min. Illumination	Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on		Colour: 0.05 lux @ F1.6, AGC on B/W: Colour: 0.01 Lux @ F1.6, AGC on		Colour: 0.05 lux @ F2.0, AGC on B/W: 0.005 lux @ F2.0, AGC on	
Lens	4.7-94.0mm @ F1.6-F3.5		4.7-94.0mm @ F1.6-F3.5		2.8-12mm @ F1.8-F2.5	
Horizontal Angle of View	61.4° - 2.9°		61.4° - 2.9°		100° - 25°	
Optical zoom	20 x		20 x		4 x	
Pan Range	0° - 360°		360° endless		0° - 350°	
Tilt Range	5° - 90°		-5° - +90° (Auto Flip)		0° - 90°	
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s		Pan: 0.1° - 80°/s Tilt: 0.1° - 80°/s		Pan: 0.1° - 60°/s Tilt: 0.1° - 50°/s	
Pan & Tilt speed (preset)	Pan: 160°/s Tilt: 120°/s		Pan: 80°/s Tilt: 80°/s		Pan: 60°/s Tilt: 50°/s	
Day/Night	ICR (auto/schedule/alarm trigger)		IR cut filter		IR cut filter	
BLC/WDR	Yes / Digital		Yes / Digital		Yes / Digital	
Electronic Image Stabilisation			Yes			
IR Range (metres)			Up to 100m		Up to 30m	
Smart Features / Presets / Tours / Patterns	Intrusion, line crossing, audio exception & motion detection		Intrusion, line crossing & motion detection		Intrusion, line crossing, region entrance/ exiting & motion detection	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG		H.265+ / H.265 / H.264+ / H.264 / MJPEG		H.264+ / H.264 / MJPEG	
Max. Image Resolution (pixels)	1920 × 1080		1920 × 1080		1920 × 1080	
Frame Rate (fps)	50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)		50Hz: 25fps (1920 × 1080), 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080), 60fps (1280 × 960, 1280 × 720)		50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	
Audio Input/Output	IN: 1 line OUT: 1 line		IN: 1 line/mic OUT: 1 line		IN: 1 line OUT: 1 line	
Alarm Input/Output	1/1		2/2		1/1	
Local Storage	MicroSD, 128 GB max.		MicroSD, 128 GB max.		MicroSD, 128 GB max.	
Protection	IP66		IP66		IP67, IK10	
Operating Conditions	-30 °C +65 °C; Humidity 90% or less (non-condensing)		-30 °C +65 °C; Humidity 90% or less (non-condensing)		-10 °C to +50 °C; Humidity 90% or less (non-condensing)	
Power Requirements (max.)	24V AC , PoE (802.3at)		12V DC , PoE (802.3at)		12V DC , PoE (802.3af)	
Options						

THERMAL NETWORK

BULLET CAMERA

Combining Hikvision developed thermal imaging technology with our extensive experience in the video surveillance field, we are equipped to provide a full range of thermal products to meet our customers’ various requirements.

The single-lens bullet cameras provide a low total cost of ownership, flexibility and thermal imaging with powerful Smart Functions. This thermal camera offers the same security features any other camera like line crossing and intrusion detection for example, but it is immune to the meteorological conditions. It detects the temperature difference and acts on it!

			
Model Name	Thermal Network Bullet Camera	Thermal Network Bullet Camera	Thermal Network Bullet Camera
Model	DS-2TD2136-10	DS-2TD2136-15	DS-2TD2136-35
Image sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	384 × 288	384 × 288	384 × 288
Response waveband	8μm to 14μm	8μm to 14μm	8μm to 14μm
NETD	< 50mk (@ 25°C,F#=1.0)	< 50mk (@ 25°C,F#=1.0)	< 50mk (@ 25°C,F#=1.0)
Lens (focal length)	10 mm	15 mm	35 mm
MRAD	1.70 mrad	1.13 mrad	0.49 mrad
Field of View	36° × 27°	24.55° × 18.54°	10.66° × 8.002°
Min. Focusing Distance	1 m	2.5 m	40 m
Video compression	H.264/MJPEG, H.264+ encoding with Baseline/Main/High Profile	H.264/MJPEG, H.264+ encoding with Baseline/Main/High Profile	H.264/MJPEG, H.264+ encoding with Baseline/Main/High Profile
F number	1	1	1
Simultaneous live view	Up to 20	Up to 20	Up to 20
Alarm input	2-ch inputs (0-5vDC)	2-ch inputs (0-5vDC)	2-ch inputs (0-5vDC)
Alarm output	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable	2-ch relay outputs, alarm response actions configurable
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface	1 RJ45 10M/100M Self-adaptive Ethernet interface	1 RJ45 10M/100M Self-adaptive Ethernet interface
SD memory card	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 64G), support manual/alarm recording	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 64G), support manual/alarm recording	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 64G), support manual/alarm recording
Power	PoE+ (802.3at), 24VAC, 2VDC/3A, 8W (20W with De-icing Heater On)	PoE+ (802.3at), 24VAC, 2VDC/3A, 8W (20W with De-icing Heater On)	PoE+ (802.3at), 24VAC, 2VDC/3A, 8W (20W with De-icing Heater On)
Working temperature	-40 °C to 65 °C (-40 °F to 149 °F),	-40 °C to 65 °C (-40 °F to 149 °F),	-40 °C to 65 °C (-40 °F to 149 °F),
Humidity	90% or less	90% or less	90% or less
Protection level	IP66	IP66	IP66
Dimensions	314 × 104 × 292.7 mm	314 × 104 × 292.7 mm	314 × 104 × 292.7 mm
Weight	2kg (4.41lb)	2kg (4.41lb)	2kg (4.41lb)

IP NETWORK VIDEO RECORDERS

NVR SOLUTIONS SERIES

Hikvision offers a broad range of NVRs, with at the top 2 high-end NVRs using Hikvision's H.265+ codec and supporting 12MP IP camera input, designed to not only offer high-capacity live IP camera monitoring, recording and playback but also excellent system reliability. And at the front end Hikvision offers an a monitor with built-in NVR, as single all-in-one solution.

GENERAL NVR PRODUCT LINE

High-End Solution Series	- Recording of max 12MP resolution - 256/128 channel input - 16 SATA interfaces	96256/128 NI-I Series
	9664/32 NI-I Series	- Recording of max 12MP resolution - 64/32 channel input - 8 SATA interfaces
Professional Series	- Recording of max 12MP resolution - 32/16/8 channel input - 4/2 SATA interfaces	77/76 NI-I Series
	77/76 NI-K Series	- Recording of max 8MP resolution - 32/16/8/4 channel input - 4/2/1 SATA interfaces
Economic Series	- Recording of max 6MP resolution - 32/16/8/4 channel input - 4/2/1 SATA interfaces	77/76 NI-K Series
	7600/7108	- Recording of max 6MP resolution - 8 channel input - 1 SATA interfaces

		
Model Name	DS-96000NI-I16/H SERIES NVR	DS-96000NI-I24/H SERIES NVR
Model	DS-96128NI-I16	DS-96256NI-I24
IP video input	128-ch	256-ch
Incoming bandwidth	768 Mbps	768 Mbps
Outgoing bandwidth	512 Mbps	768 Mbps
Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA/4CIF/ DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA/4CIF/ DCIF/2CIF/CIF/QCIF
VGA1 /HDMI1 output resolution	Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz	Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA:1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz
Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Decoding format	H.265, H.265+, H.264, H.264+,MPEG4, MJPEG (for Hikvision IP camera only)	H.265, H.265+, H.264, H.264+,MPEG4, MJPEG (for Hikvision IP camera only)
Live view/Playback resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/ VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch	16-ch
Capability	20-ch@1080p	20-ch@1080p
SATA	16 SATA interfaces supporting hot-plug	24 SATA interfaces supporting hot-plug
Capacity	Up to 8 TB for each HDD	Up to 8 TB for each HDD
Array type	RAID0, RAID1, RAID5, RAID 6, and RAID10	RAID0, RAID1, RAID5, RAID 6, and RAID10
Number of arrays	8	12
Network interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
USB interface	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
Alarm in/out	16/8	16/8
Power supply	100 to 240 VAC, 550W	100 to 240 VAC, 550W
Max. Power	Redundant dual ball bearing fan;Speed adjustable;Hot-plug	Redundant dual ball bearing fan;Speed adjustable;Hot-plug
Consumption (without hard disk)	≤ 140W	≤ 140W
Working temperature	0 °C to + 50 °C (32 °F to 122 °F)	0 °C to + 50 °C (32 °F to 122 °F)
Working humidity	10% to 90%	10% to 90%
Chassis	3U	4U
Dimensions (W×D×H)	442 × 494 × 146 mm	447 × 528 × 172 mm
Weight (without hard disk)	≤ 16 kg (35.3 lb)	≤ 23 kg (50.7 lb)



Model Name	DS-9600NI-I8 SERIES NVR	DS-9600NI-I8 SERIES NVR
Model	DS-9664NI-I8	DS-9632NI-I8
IP video input	64-ch,up to 12 MP resolution	32-ch,up to 12 MP resolution
Incoming bandwidth	320 Mbps,or 200 Mbps (when RAID is enabled)	320 Mbps,or 200 Mbps (when RAID is enabled)
Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)	256 Mbps, or 200 Mbps (when RAID is enabled)
Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
VGA1 /HDMI1 output resolution	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	2-ch, RCA (2.0Vp-p, 1 KΩ)	2-ch, RCA (2.0Vp-p, 1 KΩ)
Decoding format	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
Live view/Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch	16-ch
Capability	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)
SATA	8 SATA interfaces	8 SATA interfaces
Capacity	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD
Array type	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Number of arrays	4	4
Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4	16/4
Power supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Max. Power	200W	200W
Consumption (without hard disk)	≤ 30W	≤ 30W
Working temperature	-10 to +55° C (+14 to +131° F)	-10 to +55° C (+14 to +131° F)
Working humidity	10% to 90%	10% to 90%
Chassis	19-inch rack-mounted 2U chassis	19-inch rack-mounted 2U chassis
Dimensions (W×D×H)	445 × 470 × 90 mm	445 × 470 × 90 mm
Weight (without hard disk)	≤ 10 kg (22 lb)	≤ 10 kg (22 lb)



Model Name	DS-7700NI-K4/P SERIES NVR	DS-7700NI-I4/P SERIES NVR	DS-7700NI-K4/P SERIES NVR	DS-7700NI-I4/P SERIES NVR
Model	DS-7732NI-K4/16P	DS-7732NI-I4/16P	DS-7716NI-K4/16P	DS-7716NI-I4/16P
IP video input	32-ch	32-ch,up to 12 MP resolution	16-ch	16-ch,up to 12 MP resolution
Incoming bandwidth	256 Mbps	256 Mbps	160 Mbps	160 Mbps
Outgoing bandwidth	160 Mbps	256 Mbps	160 Mbps	256 Mbps
Recording resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
VGA /HDMI output resolution	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Decoding format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Synchronous playback	16-ch	16-ch	16-ch	16-ch
Capability	2-ch @ 8 MP (25fps) / 4-ch @ 4MP (30fps) / 8-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	2-ch @ 8 MP (25fps) / 4-ch @ 4MP (30fps) / 8-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)
SATA	4 SATA interfaces	4 SATA interfaces for 4HDDs	4 SATA interfaces for 4HDDs	4 SATA interfaces for 4HDDs
Capability	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD
Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4	16/4	16/4	16/4
Power supply	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Max. Power	≤ 300W	≤ 300W	≤ 300W	≤ 300W
Consumption (without hard disk)	≤ 20W (without enabling PoE)	≤ 20W (without enabling PoE)	≤ 20W (without enabling PoE)	≤ 20W (without enabling PoE)
Working temperature	-10 to +55°C (14 to 131°F)	-10 to +55° C (+14 to +131° F)	-10 to +55° C (+14 to +131° F)	-10 to +55° C (+14 to +131° F)
Working humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W×D×H)	445 × 400 × 71 mm	445 × 400 × 71 mm	445 × 400 × 71 mm	445 × 400 × 71 mm
Weight (without hard disk)	≤ 5 kg (11. lb)	≤ 5 kg (11. lb)	≤ 5 kg (11. lb)	≤ 5 kg (11. lb)

				
Model Name	DS-7700NI-I4/P SERIES NVR	DS-7600NI-I2/P SERIES NVR	DS-7600NI-K2/P SERIES NVR	DS-7600NI-I2/P SERIES NVR
Model	DS-7708NI-I4/8P	DS-7632NI-I2/16P	DS-7616NI-K2/16P	DS-7616NI-I2/16P
IP video input	8-ch,up to 12 MP resolution	32-ch,up to 12 MP resolution	16-ch	16-ch,up to 12 MP resolution
Incoming bandwidth	80 Mbps	256 Mbps	160 Mbps	160 Mbps
Outgoing bandwidth	256 Mbps	256 Mbps	160 Mbps	256 Mbps
Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF	12 MP/8 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF	8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF	12 MP/8 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF
VGA /HDMI output resolution	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Decoding format	H.265 / H.265+/ H.264 / H.264+/ MPEG4	H.265 / H.265+/ H.264 / H.264+/ MPEG4	H.265 / H.265+/ H.264 / H.264+/ MPEG4	H.265 / H.265+/ H.264 / H.264+/ MPEG4
Synchronous playback	8-ch	16-ch	16-ch	16-ch
Capability	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	2-ch @ 8 MP (25fps) / 4-ch @ 4MP (30fps) / 8-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)
SATA	4 SATA interfaces for 4HDDs	2 SATA interfaces	2 SATA interfaces	2 SATA interfaces
Capability	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD
Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4	4/1	4/1	4/1
Power supply	100 to 240 VAC	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC	100 to 240 VAC, 50 to 60 Hz
Max. Power	≤ 300W	≤ 280W	≤ 280W	≤ 280W
Consumption (without hard disk)	≤ 20W (without enabling PoE)	≤ 15W (without enabling PoE)	≤ 15W (without enabling PoE)	≤ 15W (without enabling PoE)
Working temperature	-10 to +55° C (+14 to +131° F)	-10 to +55° C (+14 to +131° F)	-10 to +55° C (14 to 131° F)	-10 to +55° C (+14 to +131° F)
Working humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis	385 mm chassis	385 mm chassis	385 mm chassis
Dimensions(W×D×H)	445 × 400 ×71 mm	385 × 315× 52 mm	385 × 315 × 52 mm	385 × 315× 52 mm
Weight (without hard disk)	≤ 5 kg (11. lb)	≤ 3 kg (6.6 lb)	≤ 3 kg (6.6 lb)	≤ 3 kg (6.6 lb)

			
Model Name	DS-7600NI-K2/P SERIES NVR	DS-7600NI-I2/P SERIES NVR	DS-7600NI-K1/4P SERIES NVR
Model	DS-7608NI-K2/8P	DS-7608NI-I2/8P	DS-7604NI-K1/4P
IP video input	8-ch	8-ch,up to 12 MP resolution	4-ch
Incoming bandwidth	80 Mbps	80 Mbps	40 Mbps
Outgoing bandwidth	160 Mbps	256 Mbps	80 Mbps
Recording resolution	8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF	12 MP/8 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF	8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCiF/2CiF/CiF/QCiF
VGA /HDMI output resolution	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI:4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Decoding format	H.265 / H.265+/ H.264 / H.264+/ MPEG4	H.265 / H.265+/ H.264 / H.264+/ MPEG4	H.265 / H.265+/ H.264 / H.264+/ MPEG4
Synchronous playback	8-ch	8-ch	4-ch
Capability	2-ch @ 8 MP (25fps) / 4-ch @ 4MP (30fps) / 8-ch @ 1080p (30fps)	12-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	2-ch @ 4 MP (30fps)
SATA	2 SATA interfaces	2 SATA interfaces	1 SATA interface for 1HDD
Capability	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD
Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 100 Mbps full-duplex Ethernet interface
USB interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	4/1	4/1	
Power supply	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	48 VDC
Max. Power	≤ 180W	≤ 180W	≤ 65W
Consumption (without hard disk)	≤ 15W (without enabling PoE)	≤ 15W (without enabling PoE)	≤ 10W (without enabling PoE)
Working temperature	-10 to +55° C (14 to 131° F)	-10 to +55° C (+14 to +131° F)	-10 to +55° C (14 to 131° F)
Working humidity	10% to 90%	10% to 90%	10% to 90%
Chassis	385 mm chassis	385 mm chassis	1U chassis
Dimensions(W×D×H)	385 × 315 × 52 mm	385 × 315 × 52 mm	315 × 240 × 48 mm
Weight (without hard disk)	≤ 3 kg (6.6 lb)	≤ 3 kg (6.6 lb)	≤ 1 kg (2.2 lb)



Model Name	DS-7700NI-E4/16P SERIES NVR	DS-7700NI-E4/16P SERIES NVR	DS-7600NI-E2 SERIES NVR	DS-7600NI-E2 SERIES NVR
Model	DS-7732NI-E4/16P	DS-7716NI-E4/16P	DS-7616NI-E2/A	DS-7608NI-E2/A
IP video input	32-ch	16-ch	16-ch	8-ch
Incoming bandwidth	160 Mbps	160 Mbps	160 Mbps	80 Mbps
Outgoing bandwidth	80 Mbps	80 Mbps	80 Mbps	80 Mbps
Recording resolution	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
VGA /HDMI output resolution	1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, resolution:1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, resolution:1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1kΩ)	1-ch, RCA (Linear, 1kΩ)	1-ch, RCA (Linear, 1kΩ)	1-ch, RCA (Linear, 1kΩ)
Decoding Capability	16-ch@4CIF, 12-ch@720p, 6-ch@1080p	16-ch@4CIF, 12-ch@720p, 6-ch@1080p	16-ch@4CIF, 12-ch@720p, 6-ch@1080p	8-ch@720p, 5-ch@1080p
SATA	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs	2 SATA interfaces for 2 HDDs	2 SATA interfaces for 2 HDDs
Capacity	Up to 6TB capacity for each HDD	Up to 6TB capacity for each HDD	Up to 4TB for each disk	Up to 4TB for each disk
USB interface	2 × USB 2.0 and 1 × USB 3.0	2 × USB 2.0 and 1 × USB 3.0	1 × USB 2.0 and 1 × USB 3.0	1 × USB 2.0 and 1 × USB 3.0
Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Alarm in/out	16/4 (optionally can be expanded to 16/8)	16/4 (optionally can be expanded to 16/8)	4/1	4/1
Power supply	100 to 240 VAC	100 to 240 VAC	12 VDC	12 VDC
Consumption (without hard disk)	≤ 20W	≤ 20W	≤ 10W	≤ 10W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (+14 °F to +131 °F)	-10 °C to +55 °C (+14 °F to +131 °F)
Working humidity	10 % to 90 %	10 % to 90 %	10 % to 90 %	10 % to 90 %
Chassis	19-inch rack-mounted 1.5U chassis	19-inch rack-mounted 1.5U chassis	385 mm chassis	385 mm chassis
Dimensions(W×D×H)	445 × 400 × 71 mm	445 × 400 × 71 mm	385 × 315 × 52 mm	385 × 315 × 52 mm
Weight (without hard disk)	≤ 4 kg (8.82 lb)	≤ 4 kg (8.82 lb)	≤ 1 kg (2.2 lb)	≤ 1 kg (2.2 lb)



Model Name	DS-7600NI-E1 SERIES NVR	DS-7600NI-E1/A All-in-One NVR	DS-7108NI-E1/V/W NVR
Model	DS-7604NI-E1/A	DS-7600NI-E1/A	DS-7108NI-E1/V/W
IP video input	4-ch	8-ch	8-ch
Incoming bandwidth	40 Mbps	80 Mbps	50 Mbps
Outgoing bandwidth	80 Mbps	80 Mbps	80 Mbps
Recording resolution	6 MP/5 MP/4MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF
VGA /HDMI output resolution	1-ch, resolution:1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		HDMI:1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
Audio output	1-ch, RCA (Linear, 1kΩ)		
Decoding Capability	4-ch@1080p		
SATA	1 SATA interface for 1 HDD	1-ch, RCA interface (linear, 1KΩ) to output NVR audio. 1-ch, 3.5mm audio jack 2-ch stereo loudspeakers. Note: alternative in 3.5mm audio jack and loudspeaker	1 SATA interface for 1 HDD
Capacity	Up to 4TB for each disk	8-ch@720p, 5-ch@1080p	2.5-inch, 500G / 1T
USB interface	1 × USB 2.0 and 1 × USB 3.0	1 SATA interface for 1 HDD	1 × USB 3.0
Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	500 GB/1 TB	1 RJ-45 10 /100 Mbps WAN interface; 3 RJ-45 10 / 100M LAN interfaces.
Alarm in/out	4/1	2 × USB 2.0	
Power supply	12 VDC	1 RJ45 10M/100M/1000M self-adaptive Ethernet interface.	
Consumption (without hard disk)	≤ 10W	12VAC(1 AC adaptor)	12VDC
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)	≤ 36W	≤ 12W
Working humidity	10 % to 90 %	0 °C ~ - +50 °C (32°F ~ 122°F)	0 °C ~ - +40 °C (+32 °F ~ +104 °F)
Chassis	Standalone 1U chassis	10 % to 90 %	10 % to 90 %
Dimensions(W×D×H)	315 × 240 × 48 mm	510 × 385 mm (with the pedestal)	87 × 87 × 157 mm
Weight (without hard disk)	≤ 1 kg (2.2 lb)	≤ 4 kg (8.8 lb)	≤ 0.53 Kg (1.2lb)

ANALOGUE CAMERAS

PROFESSIONAL SERIES

HD-TVI

At Hikvision, we are committed to making versatile products that can adapt flexibly to changing needs, and as video technology continues to evolve, we are always working on new solutions that offer more extensive compatibility. That’s why we based our Turbo HD and Turbo HD 3.0 products on HDTVI technology, an open standard that enables different products and technologies to be integrated into a single system.

UP TO 5MP

The Turbo HD Analogue solution offers up to 5MP HDTVI Camera input and 4K UHD HDMI video output. The HD video output is not just based on the performance of sensor, but the combination of the HD lens and Hikvision Image Signal Processing (ISP). HD lenses with low distortion and large apertures enable better low-light performance, while Hikvision ISP provides videos with greater detail and vibrant colour.

H1T, F7T, D9T, D5T

The Professional series comes in 4 lines: H1T, F7T, D9T and D5T. You can find these references in the model number. The H1T cameras have a resolution of up to 5MP, the F7T go up to 3MP and the D9T and D5T have a Full HD – or 1080p – resolution. Every series contain multiple form factors to suit every need.

	H1T 5MP SERIES			F7T 3MP SERIES
				
Model Name	5 MP EXIR Turret Camera	5 MP EXIR Turret Camera	5 MP HD EXIR Bullet Camera	3MP Motorised VF Proof EXIR Dome Camera
Model	DS-2CE56H1T-IT3	DS-2CE56H1T-ITM	DS-2CE16H1T-IT3/5	DS-2CE56F7T-(A)VPIT3Z
Image Sensor	5 MP CMOS image sensor	5 MP CMOS image sensor	5 MP CMOS image sensor	3 MP CMOS image sensor
Effective Pixels	2592 × 1944	2592 × 1944	2592 × 1944	2052 × 1536
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on
Lens	2.8mm, 3.6mm, 6mm, 8mm, 12mm	2.8mm, 3.6mm, 6mm	-IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm -IT5: 3.6mm, 6mm, 8mm, 12mm	2.8 - 12mm @ F1.2
Horizontal Field of View	86.5° (2.8mm), 70.1° (3.6mm), 46° (6mm), 32.5° (8mm), 20.9° (12mm)	86.5° (2.8mm), 70.1° (3.6mm), 46° (6mm)	86.5° (2.8mm), 70.1° (3.6mm), 46° (6mm), 32.5° (8mm), 20.9° (12mm)	26.8° - 83°
Day & Night	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 340°, Tilt: 0° - 75°, Rotate: 0° - 355°
WDR				120 dB
Video Frame Rate	50Hz: 20fps (2592 × 1944)	50Hz: 20fps (2592 × 1944)	50Hz: 20fps (2592 × 1944)	50Hz: 18 fps (1920 × 1536)
HD Video Output	1	1	1	1
CVBS Output				
Operating Conditions	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 30%	12V DC ± 30%	12V DC ± 30%	12V DC ± 15%
Power Consumption	Max. 5W	Max. 5W	Max. 5W	Max. 4.5W
Protection Level	IP67	IP67	IP67	IP66, IK10
IR Range	Up to 40 m	Up to 20 m	-IT3: Up to 40m -IT5: Up to 80m	Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra				-A: 12V DC/ 24V AC; Max. 6.5Watt -VP: Vandal Proof -Z: Motorised VF lens

					
Model Name	3MP Motorised VF EXIR Dome Camera	3MP WDR EXIR Turret Camera	3MP Motorised VF EXIR Turret Camera	3MP WDR EXIR Turret Camera	3MP Motorised VF EXIR Bullet Camera
Model	DS-2CE56F7T-(A)ITZ	DS-2CE56F7T-IT3	DS-2CE56F7T-IT3Z	DS-2CE56F7T-ITM	DS-2CE16F7T-(A)IT3Z
Image Sensor	3 MP CMOS image sensor	3 MP CMOS image sensor	3 MP CMOS image sensor	3 MP CMOS image sensor	3 MP CMOS image sensor
Effective Pixels	2052 × 1536	2052 × 1536	2052 × 1536	2052 × 1536	2052 × 1536
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on
Lens	2.8 - 12mm @ F1.2	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm @ F1.2	2.8 - 12 mm @ F1.2	2.8mm, 3.6mm, 6mm @ F1.2	2.8 - 12 mm @ F1.2
Horizontal Field of View	83° - 26.8°	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm), 31.6°(8mm), 20.2°(12mm), 15.8°(16mm)	83° - 26.8°	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm)	83° - 26.8°
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Video Frame Rate	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)
HD Video Output	1	1	1	1	1
CVBS Output					
Operating Conditions	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 4.5W	Max. 5W	Max. 6W	Max. 5W	Max. 6W
Protection Level	IP65	IP66	IP66	IP66	IP66
IR Range	Up to 30m	Up to 40m	Up to 40m	Up to 20m	Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra	-A: 12V DC/ 24V AC ± 15%; Max. 6.5Watt -Z: Motorised VF lens		-Z: Motorised VF lens		-A: 12V DC/ 24V AC ± 15%; Max. 9 Watt -Z: Motorised VF lens

					
Model Name	3MP WDR EXIR Bullet Camera	3MP WDR EXIR Bullet Camera	2MP Ultra Low-Light PoC Dome Camera	2MP Ultra Low-Light PoC Turret Camera	HD1080P WDR Box Camera
Model	DS-2CE16F7T-IT3/5	DS-2CE16F7T-IT	DS-2CC52D9T-AVPIT3ZE	DS-2CC52D9T-IT3E	DS-2CC12D9T-A
Image Sensor	3 MP CMOS image sensor	3 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	2052 × 1536	2052 × 1536	1920 × 1080	1920 × 1080	1944 × 1092
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.01 Lux @ F1.2, AGC on	Colour: 0.003 lux @ F1.2, AGC ON	Colour: 0.003 lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.001 Lux @ F1.2, AGC ON
Lens	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm @ F1.2	2.8mm, 3.6mm, 6mm @ F1.2	2.8 - 12 mm	2.8mm, 3.6mm, 6mm	
Horizontal Field of View	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm), 31.6°(8mm), 20.2°(12mm), 15.8°(16mm)	84° (2.8mm), 67.8° (3.6mm), 44.6° (6mm)	98° - 32.1°	103.5° (2.8 mm), 82.6° (3.6 mm), 54.4° (6 mm)	
Day & Night	ICR	ICR	IR cut filter	Auto/ Color/ B/W	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	
WDR	120 dB	120 dB	> 120 dB	> 120 dB	120 dB
Video Frame Rate	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1	1	1	1	1
CVBS Output			1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)
Operating Conditions	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 30%, 24V AC ± 30%, PoC.at	12V DC ± 30%, 24V AC ± 30%, PoC.at	12V DC ± 15%
Power Consumption	Max. 5W	Max. 5W	Max. 6 W	Max. 4W	Max. 4W
Protection Level	IP66	IP66	IP67, IK10	IP67	
IR Range	-IT3: Up to 40m -IT5: Up to 80m	Up to 20 m	Up to 40 m	Up to 40 m	
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C	Up the coax, Protocol: HIKVISION-C	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra			-Z: Motorised VF lens -E: Power over Coax (PoC)	-E: Power over Coax (PoC)	-A: 12V DC/ 24V AC ± 15%; Max. 6 Watt

					
Model Name	HD1080P WDR POC Box Camera	HD1080P WDR Motorised VF EXIR Bullet Camera	2MP Ultra Low-Light PoC Bullet Camera	2MP Ultra Low-Light PoC Bullet Camera	HD1080P WDR Vandal Proof IR Dome Camera
Model	DS-2CC12D9T-E	DS-2CE16D9T-AIRAZH	DS-2CC12D9T-AIT3ZE	DS-2CC12D9T-IT3E	DS-2CE56D5T-AVPIR3(Z)
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1944 × 1092	1944 × 1092	1920 × 1080	1920 × 1080	1944 × 1092
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.003 lux @ F1.2, AGC ON	Colour: 0.003 lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON
Lens	C/CS mount	5 - 50mm	2.8 - 12mm	2.8mm, 3.6mm, 6mm	2.8 - 12mm @ F1.4
Horizontal Field of View		59.8° - 6.2°	98° - 32.1°	103.5° (2.8 mm), 82.6° (3.6 mm), 54.4° (6 mm)	103° - 32.1°
Day & Night	Electronic	ICR	IR cut filter	IR cut filter	ICR
Angle Adjustment		Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0 - 355°, Tilt: 0 - 75°, Rotate: 0 - 355°
WDR	120 dB	120 dB	> 120 dB	> 120 dB	120 dB
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1	1	1	1	1
CVBS Output	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)
Operating Conditions	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 15%, PoC.af	AC24V±15% / DC12V±15%, Heater is available with 24VAC only	12V DC ± 30%, 24V AC ± 30%, PoC.at	12 V DC ±30%/PoC.af	12V DC ± 15%
Power Consumption	Max. 7W	Max. 20 W	Max. 7.5W	Max. 4W	Max. 4W
Protection Level		IP66	IP67	IP67	IP66, IK10
IR Range		Up to 110m	Up to 40m	Up to 40m	Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C	Up the coax, Protocol: HIKVISION-C	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)
Extra	-E: Power over Coax (PoC)	-Z: Motorised VF lens -H: Heater	-Z: Motorised VF lens -E: Power over Coax (PoC)	-E: Power over Coax (PoC)	-A: 12V DC/ 24V AC ± 15%; Max. 6 Watt -Z: Motorised VF lens

					
Model Name	HD1080P WDR Indoor Motorised VF IR Dome Camera	HD1080P WDR Motorised Vari-focal IR Turret Camera	HD1080P WDR Vari-focal EXIR Turret Camera	HD1080P WDR EXIR Turret Camera	HD1080P WDR IR Turret Camera
Model	DS-2CE56D5T-AIRZ	DS-2CE56D5T-IR3Z	DS-2CE56D5T-VFIT3	DS-2CE56D5T-IT3	DS-2CE56D5T-IRM
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1944 × 1092	1944 × 1092	1944 × 1092	1944 × 1092	1944 × 1092
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON
Lens	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm	2.8mm, 3.6mm, 6mm
Horizontal Field of View	103°- 32.1°	103°- 32.1°	103°- 32.1°	103.5°(2.8mm), 82.6°(3.6mm), 54.4°(6mm), 38°(8mm), 24.4°(12mm), 18.9°(16mm)	103.5°(2.8mm), 82.6°(3.6mm), 54.4°(6mm)
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°
WDR	120 dB	120 dB	120 dB	120 dB	120 dB
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1	1	1	1	1
CVBS Output	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)
Operating Conditions	-20 °C to 45 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 15%, 24V AC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 6 W	Max. 5W	Max. 7W	Max. 5W	Max. 4W
Protection Level		IP66	IP66	IP66	IP66
IR Range	Up to 30m	Up to 40m	Up to 50m	Up to 40m	Up to 20m
Communication	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)
Extra	-Z: Motorised VF lens	-Z: Motorised VF lens			

					
Model Name	HD1080P WDR Vari-focal EXIR Bullet Camera	HD1080P WDR EXIR Bullet Camera	HD1080P WDR EXIR Bullet Camera	HD1080P WDR Motorised Vari-focal IR Bullet Camera	HD720P Low-light Vandal Proof IR Dome Camera
Model	DS-2CE16D5T-(A)VFIT3	DS-2CE16D5T-IT5	DS-2CE16D5T-IT3	DS-2CE16D5T-AIR3Z(H)	DS-2CE56C5T-(A)VPPIR3
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	1.27 MP CMOS image sensor
Effective Pixels	1944 × 1092	1944 × 1092	1944 × 1092	1944 × 1092	1305 × 977
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON B/W: 0.014 Lux @ F1.4, AGC ON	Colour: 0.001 Lux @ F1.2, AGC ON
Lens	2.8 - 12mm @ F1.4	3.6mm, 6mm, 8mm, 12mm, 16mm	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4
Horizontal Field of View	103°- 32.1°	82.6°(3.6mm), 54.4°(6mm), 38°(8mm), 24.4°(12mm), 18.9°(16mm)	103.5°(2.8mm), 82.6°(3.6mm), 54.4°(6mm), 38°(8mm), 24.4°(12mm), 18.9°(16mm)	103°- 32.1°	92° - 29.3°
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°
WDR	120 dB	120 dB	120 dB	120 dB	Digital
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)
HD Video Output	1	1	1	1	1
CVBS Output	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)	1Vp-p Composite Output(75Ω/BNC)
Operating Conditions	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)	-40 °C to 60 °C ; humidity 90% or less (non-condensation)	-30 °C to 60 °C ; humidity 90% or less (non-condensation)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%, 24V AC ± 15%	12V DC ± 15%, 24V AC ± 15%
Power Consumption	Max. 7W	Max. 5W	Max. 5W	Max. 12W	Max. 4W
Protection Level	IP66	IP66	IP66	IP66	IP66, IK10
IR Range	Up to 50m	Up to 80m	Up to 40m	Up to 40m	Up to 40m
Communication	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)	Up the coax, Protocol: Pelco-C (CVBS output), HIKVISION-C (TVI output)
Extra	-A: 12V DC/ 24V AC ± 15%; Max. 10 Watt			-H: Heater	-A: 12V DC/ 24V AC ± 15%; Max. 5Watt

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	D7T 2MP FAMILY		
			
Model Name	HD 3MP EXIR Turret Camera	HD 3MP EXIR Turret Camera	HD 3MP EXIR Bullet Camera
Model	DS-2CE56F1T-IT1/3	DS-2CE56F1T-ITM	DS-2CE16F1T-IT3/5
Image Sensor	3 MP CMOS image sensor	3 MP CMOS image sensor	3 MP CMOS image sensor
Effective Pixels	2052 × 1536	2052 × 1536	2052 × 1536
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	-IT1: 2.8mm, 3.6mm, 6mm @ F1.2 -IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm @ F1.2	2.8mm, 3.6mm, 6mm @ F1.2	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm @ F1.2
Horizontal Field of View	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm)	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm)	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm), 31.6°(8mm), 20.2°(12mm), 15.8°(16mm)
Day & Night	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
WDR	Support	Support	Support
Video Frame Rate	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)	50Hz: 18 fps (1920 × 1536)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output			
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 5W	Max. 5W	Max. 5W
Protection Level	IP66	IP66	IP66
IR Range	-IT1: Up to 20m -IT3: Up to 40m	Up to 20m	-IT3: Up to 40m -IT5 Up to 80m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra			

	D7T 2MP FAMILY				
					
Model Name	HD 3MP EXIR Bullet Camera	HD1080P Motorised VF Vandal Proof EXIR Dome Camera	HD1080P Motorised VF EXIR Dome Camera	HD1080P WDR Vandal Proof EXIR Dome Camera	HD1080P WDR EXIR Turret Camera
Model	DS-2CE16F1T-IT	DS-2CE56D7T-(A)VPIT3Z	DS-2CE56D7T-(A)ITZ	DS-2CE56D7T-VPIT	DS-2CE56D7T-IT1/3
Image Sensor	3 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	2052 × 1536	1928 × 1088	1928 × 1088	1928 × 1088	1928 × 1088
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	2.8mm, 3.6mm, 6mm @ F1.2	2.8 - 12mm	2.8 - 12mm	3.6mm, 6mm	-IT1: 2.8mm, 3.6mm, 6mm -IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm
Horizontal Field of View	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm)	114.5° - 35.1°	114.5° - 35.1°	82.2° (3.6mm), 54° (6mm)	103° (2.8mm), 82.2° (3.6mm), 54° (6mm), 37.7° (8mm), 24.3° (12mm), 18.8° (16mm)
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 340°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 340°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°
WDR	Support	120dB	120dB	120dB	120dB
Video Frame Rate	50Hz: 18 fps (1920 × 1536)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 5W	Max. 4.5W	Max. 4.5W	Max. 5W	Max. 5W
Protection Level	IP66	IP66, IK10		IP66, IK10	IP66
IR Range	Up to 20m	Up to 40m	Up to 30m	Up to 20m	-IT1: Up to 20m -IT3: Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra		-Z: Motorised VF lens -A: 12V DC/ 24V AC ± 15%; Max. 6.5Watt -VP: Vandal Proof	-Z: Motorised VF lens -A: 12V DC/ 24V AC ± 15%; Max. 6.5Watt	-VP: Vandal Proof	

		D7T 2MP FAMILY			
Model Name	HD1080P Motorised VF EXIR Turret Camera				
Model	DS-2CE56D7T-IT3Z	DS-2CE56D7T-ITM	DS-2CE16D7T-A)IT3Z	DS-2CE16D7T-IT1/3/5	DS-2CE16D7T-IT
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1928 × 1088	1928 × 1088	1928 × 1088	1928 × 1088	1928 × 1088
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	2.8 - 12mm	2.8mm, 3.6mm, 6mm	2.8 - 12mm	-IT1: 2.8mm, 3.6mm, 6mm -IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm -IT5: 3.6mm, 6mm, 8mm, 12mm, 16mm	2.8mm, 3.6mm, 6mm
Horizontal Field of View	114.5° - 35.1°	103° (2.8mm), 82.2° (3.6mm), 54° (6mm)	114.5° - 35.1°	103° (2.8mm), 82.2° (3.6mm), 54° (6mm), 37.7° (8mm), 24.3° (12mm), 18.8° (16mm)	103° (2.8mm), 82.2° (3.6mm), 54° (6mm)
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
WDR	120dB	120dB	120dB	120dB	120dB
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 6 W	Max. 5W	Max. 6 W	Max. 5W	Max. 5W
Protection Level	IP66	IP66	IP66	IP66	IP66
IR Range	Up to 40m	Up to 20m	Up to 40m	-IT1: Up to 20m -IT3: Up to 40m -IT5: Up to 80m	Up to 20m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra	-Z: Motorised VF lens		-Z: Motorised VF lens -A: 12V DC/ 24V AC ± 15%; Max. 9 Watt		

					
Model Name	HD1080P Vandal Proof IR Dome Camera	HD1080P Indoor Vari-focal IR Dome Camera	HD1080P Vandal Proof IR Dome Camera	HD1080P Vari-focal IR Turret Camera	HD1080p Motorised Vari-focal IR Turret Camera
Model	DS-2CE56D1T-AVPIR3	DS-2CE56D1T-AVFIR	DS-2CE56D1T-VPIR	DS-2CE56D1T-VFIR3	DS-2CE56D1T-IR3Z
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1984 × 1105	1930 × 1088	1930 × 1088	1930 × 1088	1930 × 1088
Min. illumination	Colour: 0.01 Lux @ F1.2,AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4	3.6mm, 6mm	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4
Horizontal Field of View	105.2° - 32.8°	114.5° - 35.1°	91.3°(3.6mm), 59.9°(6mm)	114.5°- 35.1°	114.5°- 35.1°
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0° - 355°, Tilt: 0° - 75°, Rotate: 0° - 355°	Pan: 0 - 360°, Tilt: 0 - 75°, Rotate: 0 - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°
WDR					
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-20 °C to 45 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 3 W	Max. 3 W	Max. 4W	Max. 4,5W	Max. 5W
Protection Level	IP66, IK10		IP66, IK10	IP66	IP66
IR Range	Up to 40m	Up to 30m	Up to 20m	Up to 40m	Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra	-A: 12V DC/ 24V AC ± 15%; Max. 4Watt	-A: 12V DC/ 24V AC ± 15%; Max. 4Watt			-Z: Motorised VF lens

	D1T 1080P FAMILY				
					
Model Name	HD1080P EXIR Turret Camera	HD1080P IR Turret Camera	Turbo HD1080p Motorised Vari-focal IR Bullet Camera	HD1080P Vari-focal IR Bullet Camera	HD1080P Vari-focal IR Bullet Camera
Model	DS-2CE56D1T-IT3	DS-2CE56D1T-IRM	DS-2CE16D1T-AIR3Z	DS-2CE16D1T-AVFIR3	DS-2CE16D1T-VFIR3
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1930 × 1088	1930 × 1088	1930 × 1088	1930 × 1088	1930 × 1088
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	0.014 Lux @ F1.4, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm	3.6mm, 6mm	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4
Horizontal Field of View	91.3° (3.6mm), 59.9° (6mm), 41.5° (8mm), 26.6° (12mm), 20.6° (16mm)	91.3° (3.6mm), 59.9° (6mm)	114.5° - 35.1°	114.5 - 35.1°	114.5 - 35.1°
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0 - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
WDR					
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 4W	Max. 4W	Max. 5W	Max. 5W	Max. 5W
Protection Level	IP66	IP66	IP66	IP66	IP66
IR Range	Up to 40m	Up to 20m	Up to 40m	Up to 40m	Up to 40m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)
Extra			-Z: Motorised VF lens -A: 12V DC/ 24V AC ± 15%; Max. 6 Watt		-A: 12V DC/ 24V AC ± 15%; Max. 6 Watt

	DOT 1080P FAMILY				
					
Model Name	HD1080P EXIR Bullet Camera	HD1080P IR Bullet Camera	HD 1080p Indoor IR Dome Camera	HD 1080p IR Turret Camera	HD1080p IR Turret Camera
Model	DS-2CE16D1T-IT3/5	DS-2CE16D1T-IR	DS-2CE56D0T-IRMM(F)	DS-2CE56D0T-IRM(F)	DS-2CE56D0T-IRF
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor
Effective Pixels	1930 × 1088	1930 × 1088	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	0.1 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	3.6mm (6mm, 8mm, 12mm, 16mm optional)	3.6mm, 6mm	2.8mm, 3.6mm, 6mm	2.8mm, 3.6mm, 6mm	2.8mm, 3.6mm, 6mm
Horizontal Field of View	91.3°(3.6mm), 59.9°(6mm), 41.5°(8mm), 26.6°(12mm), 20.6°(16mm)	91.3°(3.6mm), 59.9°(6mm)	103° (2.8 mm), 82.2° (3.6 mm), 54° (6 mm)	103° (2.8 mm), 82.2° (3.6 mm), 54° (6 mm)	103° (2.8 mm), 82.2° (3.6 mm), 54° (6 mm)
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 350°, Tilt: 0° - 70°, Rotate: 0° - 350°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°
WDR					
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 4W	Max. 4W	Max. 4W	Max. 4W	Max. 4W
Protection Level	IP66	IP66		IP66	IP66
IR Range	-IT3: Up to 40m -IT5: Up to 80m	Up to 20m	Up to 20m	Up to 20m	Up to 20m
Communication	Up the coax, Protocol: HIKVISION-C (TVI output)	Up the coax, Protocol: HIKVISION-C (TVI output)			
Extra			-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS

					
Model Name	HD 1080p EXIR Turret Camera	HD1080P EXIR Bullet Camera	HD1080P IR Bullet Camera	HD720P Vari-focal IR Turret Camera	HD720P Vari-focal IR Bullet Camera
Model	DS-2CE56D0T-IT1/3F	DS-2CE16D0T-IT3/5	DS-2CE16D0T-IR	DS-2CE56C2T-VFIR3	DS-2CE16C2T-VFIR3
Image Sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	2 MP CMOS image sensor	1.3 MP CMOS image sensor	1.3 MP CMOS image sensor
Effective Pixels	1920 × 1080	1920 × 1080	1920 × 1080	1280 × 960	1280 × 960
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	-IT1: 2.8mm, 3.6mm, 6mm -IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm	-IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm -IT5: 3.6mm, 6mm, 8mm, 12mm, 16mm	2.8mm, 3.6mm, 6mm	2.8 - 12mm @ F1.4	2.8 - 12mm @ F1.4
Horizontal Field of View	103° [2.8 mm], 82.2° [3.6 mm], 54° [6 mm]	103° [2.8mm], 82.2° [3.6mm], 54° [6mm], 37.7° [8mm], 24.2° [3.6mm], 18.8° [6mm]	103° [2.8mm], 82.2° [3.6mm], 54° [6mm]	92° - 29.3°	92° - 29.3°
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 90°, Rotate: 0° - 360°
WDR					
Video Frame Rate	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080)	50Hz: 25fps (1280 × 960) 60Hz: 30fps (1280 × 960)	50Hz: 25fps (1280 × 960) 60Hz: 30fps (1280 × 960)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 4W	Max. 4W	Max. 4W	Max. 5W	Max. 4W
Protection Level	IP66	IP66	IP66	IP66	IP66
IR Range	-IT1: Up to 20m -IT3: Up to 40m	-IT3: Up to 40m -IT5: Up to 80m	Up to 20m	Up to 40m	Up to 40m
Communication					
Extra	-F: Switchable TVI/AHD/CVI/CVBS				

					
Model Name	HD 720p Indoor IR Dome Camera	HD 720p IR Turret Camera	HD 720p Indoor IR Turret Camera	HD 720p EXIR Bullet Camera	HD720p IR Bullet Camera
Model	DS-2CE56C0T-IRMM(F)	DS-2CE56C0T-IRM(F)	DS-2CE56C0T-IRP(F)	DS-2CE16C0T-IT3/5 (F)	DS-2CE16C0T-IR(P)(F)
Image Sensor	1 MP CMOS image sensor	1 MP CMOS image sensor	1 MP CMOS image sensor	1 MP CMOS image sensor	1 MP CMOS image sensor
Effective Pixels	1296 × 732	1296 × 732	1296 × 732	1296 × 732	1296 × 732
Min. illumination	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON	Colour: 0.01 Lux @ F1.2, AGC ON
Lens	2.8 mm, 3.6 mm, 6 mm	2.8 mm, 3.6 mm, 6 mm	2.8 mm, 3.6 mm, 6 mm	-IT3: 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm -IT5: 3.6mm, 6mm, 8mm, 12mm, 16mm	2.8 mm, 3.6 mm, 6 mm
Horizontal Field of View	92° [2.8 mm], 70.9° [3.6 mm], 56.7° [6 mm]	92° [2.8 mm], 70.9° [3.6 mm], 56.7° [6 mm]	92° [2.8 mm], 70.9° [3.6 mm], 56.7° [6 mm]	92° [2.8 mm], 70.9° [3.6 mm], 56.7° [6 mm], 38.6° [8 mm], 27.5° [12 mm], 17.7° [16 mm]	92° [2.8 mm], 70.9° [3.6 mm], 56.7° [6 mm]
Day & Night	ICR	ICR	ICR	ICR	ICR
Angle Adjustment	Pan: 0° - 350°, Tilt: 0° - 70°, Rotate: 0° - 350°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 75°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°	Pan: 0° - 360°, Tilt: 0° - 180°, Rotate: 0° - 360°
WDR					
Video Frame Rate	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)
HD Video Output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output	1 Analogue HD output
CVBS Output					
Operating Conditions	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)	-40 °C to 60 °C, Humidity 90% or less (non-condensing)
Power Supply	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%	12V DC ± 15%
Power Consumption	Max. 4W	Max. 4W	Max. 4W	Max. 4W	Max. 4W
Protection Level		IP66		IP66	IP66
IR Range	Up to 20m	Up to 20m	Up to 20m	Up to 40m(-IT3), Up to 80m(-IT5)	Up to 20 m
Communication					
Extra	-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS	-F: Switchable TVI/AHD/CVI/CVBS

ANALOGUE PTZ CAMERAS

Not only do our PTZ cameras deliver an incredible image during daytime scenes, they also produce clear images- down to 0.02 lux. The series includes autofocus zoom lenses that yields up to 37x optical zoom! It is designed for installations that do not require the 360° high speed positioning of traditional PTZ cameras but that do need occasional pan/tilt/zoom capabilities, including presets, patrols and patterns. The series boasts IP66 and IK10 ratings, allowing the cameras to be mounted in both in- and outdoor installations.

			
Model Name	E Series IR turbo HD1080p PTZ Dome Camera	E Series 7 Inch Turbo IR HD720p Analogue Speed Dome	E Series IR Analogue Speed Dome
Model	DS-2AE7230TI-A	DS-2AE7123TI-A	DS-2AE7037I-A
Image Sensor	1/2.8"Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" High Performance CCD
Effective Pixel (Max Reslution)	1920 × 1080	1280 × 720	976 × 582
Min. illumination	Colour: 0.05 Lux @ F1.6, AGC ON B/W: 0.005 Lux @ F1.6, AGC ON	Colour: 0.05 Lux @ F1.6, AGC ON B/W: 0.005 Lux @ F1.6, AGC ON	Colour: 0.02 Lux @ F1.6, AGC ON B/W: 0.002 Lux @ F1.6, AGC ON
3D DNR	Yes	Yes	Yes
Backlight Compensation	Yes	Yes	Yes
WDR	Digital	Digital	
Day & Night	IR Cut Filter	IR Cut Filter	IR Cut Filter
Focus Mode	Auto/ Semiautomatic/ Manual	Auto/ Semiautomatic/ Manual	Auto/ Semiautomatic/ Manual
Focal Length	4 - 120mm 30x	4 - 92.0mm 23x	3.2 - 118.4mm 37x
Angle of View	58° - 1.7°	49° - 2.2°	58° - 1.7°
Zoom Speed	Approx. 3s (Optical Wide - Tele)	Approx. 3s (Optical Wide - Tele)	Approx. 3s (Optical Wide - Tele)
Aperture Range	F1.4 - F4.0	F1.4 - F3.5	F1.6 - F4.4
Movement Range	Pan: 360° endless, Tilt: -15° - 90° (Auto-Flip)	Pan: 360° endless, Tilt: -15° - 90° (Auto-Flip)	Pan: 360° endless, Tilt: -15° - 90° (Auto-Flip)
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s
Pan & Tilt speed (preset)	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s
Number of Preset	256	256	256
IR Range (metres)	Up to 120m	Up to 120m	Up to 120m
Power	24V AC	24V AC	24V AC
Working Temperature/ Humidity	-30 °C to 65 °C, Humidity 90% or less (non-condensing)	-30 °C to 65 °C, Humidity 90% or less (non-condensing)	-30 °C to 65 °C, Humidity 90% or less (non-condensing)
Protection Level	IP66	IP66	IP66
Impact Protection			

				
Model Name	E Series IR Analogue PTZ Dome Camera	HD720P Turbo IR PTZ Dome Camera	E Series 5 Inch turbo HD1080p PTZ Dome Camera	E Series 5 Inch Analog Speed Dome
Model	DS-2AE7023I-A	DS-2AE5123TI-A	DS-2AE5230T-A	DS-2AE5037-A
Image Sensor	1/3" High Performance CCD	1/3" High Performance CCD	1/3" High Performance CCD	1/3" High Performance CCD
Effective Pixel (Max Reslution)	976 × 582	1280 × 720	1920 × 1080	976 × 582
Min. illumination	Colour: 0.02 Lux @ F1.6, AGC ON B/W: 0.002 Lux @ F1.6, AGC ON	Colour: 0.05 Lux @ F1.4, AGC ON B/W: 0.005 Lux @ F1.4, AGC ON	Colour: 0.02 Lux @ F1.6, AGC ON B/W: 0.002 Lux @ F1.6, AGC ON	Colour: 0.02 Lux @ F1.6, AGC ON B/W: 0.002 Lux @ F1.6, AGC ON
3D DNR	Yes	Yes	Yes	Yes
Backlight Compensation	Yes		Yes	Yes
WDR	Digital	Digital	Digital	
Day & Night	IR Cut Filter	IR Cut Filter	IR Cut Filter	IR Cut Filter
Focus Mode	Auto/ Semiautomatic/ Manual	Auto/ Semiautomatic/ Manual	Auto/ Semiautomatic/ Manual	Auto/ Semiautomatic/ Manual
Focal Length	4 - 92.0mm 23x	4 - 92.0mm 23x	4 - 120mm 30x	3.2 - 118.4mm 37x
Angle of View	49° - 2.2°	49° - 2.2°	58° - 1.7°	58° - 1.7°
Zoom Speed	Approx. 3s (Optical Wide - Tele)	Approx. 3s (Optical Wide - Tele)	Approx. 3s (Optical Wide - Tele)	Approx. 3s (Optical Wide - Tele)
Aperture Range	F1.6 - F3.7	F1.4 - F3.5	F1.6 - F4.4	F1.6 - F4.4
Movement Range	Pan: 360° endless, Tilt: -5° - 90° (Auto-Flip)	Pan: 360° endless, Tilt: -15° - 90° (Auto-Flip)	Pan: 360° endless, Tilt: -5° - 90° (Auto-Flip)	Pan: 360° endless, Tilt: -5° - 90° (Auto-Flip)
Pan & Tilt speed (manual)	Pan: 0.1° - 160°/s Tilt: 0.1° - 120°/s	Pan: 0.1° - 400°/s Tilt : 0.1° - 120°/s	Pan: 0.1° - 250°/s Tilt: 0.1° - 150°/s	Pan: 0.1° - 250°/s Tilt: 0.1° - 150°/s
Pan & Tilt speed (preset)	Pan: 240°/s Tilt: 200°/s	Pan: 400°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s
Number of Preset	256	256	256	256
IR Range (metres)	Up to 120m	Up to 150m		
Power	24V AC	24V AC	24V AC	24V AC
Working Temperature/ Humidity	-30 °C to 65 °C, Humidity 90% or less (non-condensing)	-30 °C to 65 °C, Humidity 90% or less (non-condensing)	-30 °C to 65 °C (outdoor dome) / -10°C to 50 °C (indoor dome), Humidity 90% or less (non-condensing)	-30 °C to 65 °C (outdoor dome) / -10°C to 50 °C (indoor dome), Humidity 90% or less (non-condensing)
Protection Level	IP66	IP66	IP66	IP66
Impact Protection			Outdoor: IK10 Indoor: IK09	Outdoor: IK10 Indoor: IK09

DIGITAL VIDEO RECORDERS

PROFESSIONAL SERIES

Hikvision boldly goes into depths of new IP technology. But, at the same time we recognise and evolve existing Analogue technology. Those two worlds meet in the state-of-the-art professional DVR series, offering the best of both, merged in a powerful series of products.

DVR SERIES

HUHI-F series	TurboHD 3.0
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- 7600HUHI-Fx

7300HUHI-Fx

7200HUHI-Fx
- Max 3MP analogue input

- Max 8MP digital input

- Up to 16 channel

- VCA support

HQHI-F series	TurboHD 3.0
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- HQHI-F series

7300HQHI-Fx
- Max 3MP analogue input

- Max 4MP digital input

- Up to 16 channel

- VCA support

HGHI-SH series	TurboHD 3.0
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- 7300HGHI-SH
- Max 720p analogue input

- Max 1080p digital input

- Up to 32 channel

- VCA support



Model Name	DS-7600HUHI-F/N SERIES TURBO HD DVR	DS-7600HUHI-F/N SERIES TURBO HD DVR
Model	DS-7616HUHI-F2/N	DS-7608HUHI-F2/N
Video compression	H.264+ /H.264	H.264+ /H.264
Analogue video input	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p60, 720p50, 720p30, 720p25	3 MP, 1080p25, 1080p30, 720p60, 720p50, 720p30, 720p25
IP video input	16-ch (up to 32-ch),Up to 8 MP resolution	8-ch (up to 16-ch),Up to 8 MP resolution
Network bandwidth	144 Mbps (incoming bandwidth: 76 Mbps)	128Mbps
Audio compression	G.711u	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF	3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Video bit rate	32 Kbps to 10 Mbps	32 Kbps to 10 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps	64 Kbps
Synchronous playback	16-ch	8-ch
SATA	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 6 TB capacity for each disk.	Up to 6 TB capacity for each disk.
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4	8/4
Power supply	12 VDC	12 VDC
Consumption (without HDD)	≤ 40 W	≤ 20W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%
Dimensions (W × D × H)	380 × 320 × 48 mm	380 × 320 × 48 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)



Model Name	DS-7600HUHI-F/N SERIES TURBO HD DVR	DS-7600HI-ST series HDVR	DS-7600HI-ST series HDVR	DS-7300HUHI-F4/N SERIES TURBO HD DVR
Model	DS-7604HUHI-F1/N	DS-7616HI-ST/A	DS-7608HI-ST/A	DS-7316HUHI-F4/N
Video compression	H.264+ /H.264	H.264	H.264	H.264+ /H.264
Analogue video input	4-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	16-ch,BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptiv	8-ch,BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p60, 720p50, 720p30, 720p25			3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60
IP video input	4-ch (up to 8-ch),Up to 8 MP resolution	Up to 32-ch	Up to 32-ch	2-ch (up to 18-ch),Up to 8 MP resolution
Network bandwidth	128Mbps	240 Mbps(incoming bandwidth: 80 Mbps)	240 Mbps(incoming bandwidth: 80 Mbps)	260 Mbps
Audio compression	G.711u	OggVorbis	OggVorbis	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	HDMI1/VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF	WD1 / 4CIF / 2CIF / CIF / QCIF	WD1 / 4CIF / 2CIF / CIF / QCIF	3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Video bit rate	32 Kbps to 10 Mbps	32 Kbps ~ 3 Mbps	32 Kbps ~ 3 Mbps	32 Kbps to 10 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps	64 Kbps	64 Kbps	64 Kbps
Synchronous playback	4-ch	16-ch	16-ch	16-ch
SATA	1 SATA interfaces	2 SATA interfaces	2 SATA interfaces	4 SATA interfaces
Capacity	Up to 6 TB capacity for each disk.	Up to 4 TB capacity for each disk	Up to 4 TB capacity for each disk	Up to 6 TB capacity for each disk
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, 10M/100M/1000M self-adaptive Ethernet interface	1, 10M/100M/1000M self-adaptive Ethernet interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	Front panel: 2 × USB 2.0 ,Rear panel: 1 × USB 3.0
Alarm in/out	4/1	Optional	Optional	16/4
Power supply	12 VDC	12 VDC	12 VDC	100 to 240 VAC
Consumption (without HDD)	≤ 15W	Max. 10W	Max. 10W	≤ 65W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Dimensions (W × D × H)	315 × 242 × 45 mm	445 × 290 × 45 mm	445 × 290 × 45 mm	445 × 390 × 70 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)	Approx. 2 kg / 4.4 lb (without hard disk)	Approx. 2 kg / 4.4 lb (without hard disk)	≤ 5 kg (11.0 lb)





Model Name	DS-7300HUHI-F4/N SERIES TURBO HD DVR		DS-7300HQHI-F4/N SERIES TURBO HD DVR	DS-7300HQHI-F4/N SERIES TURBO HD DVR
Model	DS-7308HUHI-F4/N		DS-7316HQHI-F4/N	DS-7308HQHI-F4/N
Video compression	H.264+ /H.264		H.264+ /H.264	H.264+ /H.264
Analogue video input	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60		3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 4 channels of DS-7316HQHI-F4/N.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 2 channels of DS-7308HQHI-F4/N.
IP video input	2-ch (up to 10-ch),Up to 8 MP resolution		2-ch (up to 18-ch),Up to 4 MP resolution	2-ch (up to 10-ch),Up to 4 MP resolution
Network bandwidth	200 Mbps			
Audio compression	G.711u		G.711u	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		4-ch, RCA (2.0 Vp-p, 1 KΩ)	4-ch, RCA (2.0 Vp-p, 1 KΩ)
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	HDMI1/VGA:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF		When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF
Video bit rate	32 Kbps to 10 Mbps		32 Kbps to 6 Mbps	32 Kbps to 6 Mbps
Audio output	2-ch, RCA (Linear, 1 KΩ)		2-ch, RCA (Linear, 1 KΩ)	2-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps		64 Kbps	64 Kbps
Synchronous playback	8-ch		16-ch	8-ch
SATA	4 SATA interfaces		4 SATA interfaces	4 SATA interfaces
Capacity	Up to 6 TB capacity for each disk		Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)		1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)
Network interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	Front panel: 2 × USB 2.0 ,Rear panel: 1 × USB 3.0		Front panel: 2 × USB 2.0 ,Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0 ,Rear panel: 1 × USB 3.0
Alarm in/out	16/4		16/4	16/4
Power supply	100 to 240 VAC		100 to 240 VAC	100 to 240 VAC
Consumption (without HDD)	≤ 45W		≤ 55W	≤ 40 W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%		10% to 90%	10% to 90%
Dimensions (W × D × H)	445 × 390 × 70 mm		445 × 390 × 70 mm	445 × 390 × 70 mm
Weight (without HDD)	≤ 5 kg (11.0 lb)		≤ 5 kg (11.0 lb)	≤ 5 kg (11.0 lb)



Model Name	DS-7332HGHI-SH SERIES TURBO HD DVR		DS-7324HGHI-SH SERIES TURBO HD DVR	DS-7200HUHI-F2/S SERIES TURBO HD DVR
Model	DS-7332HGHI-SH		DS-7324HGHI-SH	DS-7216HUHI-F2/S
Video compression	H.264		H.264	H.264+ /H.264
Analogue video input	32-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		24-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	720p25, 720p30, 720p50, 720p60, 1080p25, 1080p30		720p25, 720p30, 720p50, 720p60, 1080p25, 1080p30	5 MP20, 5 MP12, 4 MP25, 4 MP30, 3 MP18 , 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25, NTSC, PAL
IP video input	8-ch (up to 32-ch),Up to 1080p resolution		8-ch (up to 32-ch),Up to 1080p resolution	2-ch,Up to 4 MP resolution
Network bandwidth				
Audio compression	G.711u		G.711u	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		4-ch, RCA (2.0 Vp-p, 1 KΩ)	4-ch, RCA (2.0 Vp-p, 1 KΩ)
CVBS output				1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	1920 × 1080/60Hz ,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		1920 × 1080/60Hz ,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	1080p/720p/VGA/WD1/4CIF/CIF		1080p/720p/VGA/WD1/4CIF/CIF	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Video bit rate	32 Kbps to 6 Mbps		32 Kbps to 6 Mbps	32 Kbps to 10 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)		1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps		64 Kbps	64 Kbps
Synchronous playback	32-ch		24-ch	16-ch
SATA	4 SATA interfaces		4 SATA interfaces	2 SATA interfaces
Capacity	Up to 6 TB capacity for each disk		Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		1-ch, RCA (2.0 Vp-p, 1 KΩ)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)
Network interface	1, 10M/100M/1000M self-adaptive Ethernet interface		1, 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	3 × USB 2.0		3 × USB 2.0	Front panel: 1 × USB 2.0 ,Rear panel: 1 × USB 3.0
Alarm in/out	16/4		16/4	16/4
Power supply	100 to 240 VAC		100 to 240 VAC	12 VDC
Consumption (without HDD)	≤ 65W		≤ 55W	≤ 25W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%		10% to 90%	10% to 90%
Dimensions (W × D × H)	445 × 390 × 70 mm		445 × 390 × 70 mm	380 × 320 × 48 mm
Weight (without HDD)	≤ 5 kg (11.0 lb)		≤ 5 kg (11.0 lb)	≤ 2 kg (4.4 lb)



Model Name	DS-7200HUHI-F2/S SERIES TURBO HD DVR	DS-7200HUHI-F1/S SERIES TURBO HD DVR	DS-7200HUHI-F1/S SERIES TURBO HD DVR
Model	DS-7208HUHI-F2/S	DS-7208HUHI-F1/S	DS-7204HUHI-F1/S
Video compression	H.264+ /H.264	H.264+ /H.264	H.264+ /H.264
Analogue video input	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	5 MP20, 5 MP12, 4 MP25, 4 MP30, 3 MP18 , 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25, NTSC, PAL	5 MP20, 5 MP12, 4 MP25, 4 MP30, 3 MP18 , 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25, NTSC, PAL	5 MP20, 5 MP12, 4 MP25, 4 MP30, 3 MP18 , 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25, NTSC, PAL
IP video input	2-ch,Up to 4 MP resolution	2-ch,Up to 4 MP resolution	2-ch,Up to 4 MP resolution
Network bandwidth			
Audio compression	G.711u	G.711u	G.711u
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ	4-ch, RCA (2.0 Vp-p, 1 KΩ
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Video bit rate	32 Kbps to 10 Mbps	32 Kbps to 10 Mbps	32 Kbps to 10 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps	64 Kbps	64 Kbps
Synchronous playback	8-ch	8-ch	4-ch
SATA	2 SATA interfaces	1 SATA interface	1 SATA interface
Capacity	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	Front panel: 1 × USB 2.0 ,Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0 ,Rear panel: 1 × USB 3.0	2 × USB 2.0
Alarm in/out	8/4	8/4	4/1
Power supply	12 VDC	12 VDC	12 VDC
Consumption (without HDD)	≤ 20W	≤ 20W	≤ 15W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%	10% to 90%
Dimensions (W × D × H)	380 × 320 × 48 mm	315 × 242 × 45 mm	315 × 242 × 45 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)	≤ 1.5 kg (3.3 lb)

DIGITAL VIDEO RECORDER

ECONOMIC SERIES

The Economic (Hybrid) DVR Series offers the reliable technology with a limited feature set for smaller implementations. While keeping up performance, we recognise that not in all installations require our broad set of options. Therefore all ranges start with solutions that offer the quality and high standards you can expect from Hikvision, but tailored to the smaller environments these solutions are applied to.

DVR SERIES

HUHI-F series	TurboHD 3.0
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- 7200HUHI-Fx
- Max 3MP analogue input

- Max 4MP digital input

- Up to 16 channel

- VCA support

HQHI-F series	TurboHD 3.0
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- 7200HQHI-Fx
7100HQHI-F
- Max 3MP analogue input

- Max 2MP digital input

- Up to 16 channel

- VCA support (7200 only)

HGHI-F series	TurboHD 3.0
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- 7100HGHI-F
- Max 720p analogue input

- Up to 8 channel



Model Name	DS-7200HUHI-F2/N SERIES TURBO HD DVR	DS-7200HUHI-F2/N SERIES TURBO HD DVR
Model	DS-7216HUHI-F2/N	DS-7208HUHI-F2/N
Video compression	H.264+ /H.264	H.264+ /H.264
Analogue video input	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60, 3 MP	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60, 3 MP
IP video input	2-ch,Up to 4 MP resolution	2-ch,Up to 4 MP resolution
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF	3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Synchronous playback	16-ch	8-ch
SATA	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	Front panel: 1× USB 2.0 ,Rear panel: 1×USB 3.0	Front panel: 1× USB 2.0 ,Rear panel: 1×USB 3.0
Alarm in/out	16/4	8/4
Power supply	12 VDC	12 VDC
Consumption (without HDD)	≤ 25W	≤ 20W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%
Dimensions (W × D × H)	380 × 320 × 48 mm	380 × 320 × 48 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)



Model Name	DS-7200HUHI-F1/N SERIES TURBO HD DVR		DS-7200HUHI-F2/N SERIES TURBO HD DVR	DS-7200HUHI-F1/N SERIES TURBO HD DVR
Model	DS-7208HUHI-F1/N		DS-7204HUHI-F2/N	DS-7204HUHI-F1/N
Video compression	H.264+ /H.264		H.264+ /H.264	H.264+ /H.264
Analogue video input	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		4-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60, 3 MP		1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60, 3 MP	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60, 3 MP
IP video input	2-ch,Up to 4 MP resolution		2-ch,Up to 4 MP resolution	2-ch,Up to 4 MP resolution
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF		3 MP/1080p/720p/WD1/4CIF/VGA/CIF	3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Synchronous playback	8-ch		4-ch	4-ch
SATA	1 SATA interfaces		2 SATA interfaces	1 SATA interfaces
Capacity	Up to 6 TB capacity for each disk		Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	Front panel: 1× USB 2.0 ,Rear panel: 1×USB 3.0		2 × USB 2.0	2 × USB 2.0
Alarm in/out	8/4		4/1	4/1
Power supply	12 VDC		12 VDC	12 VDC
Consumption (without HDD)	≤ 20W		≤ 15W	≤ 15W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%		10% to 90%	10% to 90%
Dimensions (W × D × H)	315 × 242 × 45 mm		380 × 320 × 48 mm	315 × 242 × 45 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)		≤ 1.5 kg (3.3 lb)	≤ 1.5 kg (3.3 lb)



Model Name	DS-7200HQHI-F2/N/A SERIES TURBO HD DVR		DS-7200HQHI-F1/N SERIES TURBO HD DVR	DS-7200HQHI-F2/N/A SERIES TURBO HD DVR
Model	DS-7216HQHI-F2/N/A		DS-7216HQHI-F1/N	DS-7208HQHI-F2/N/A
Video compression	H.264+ /H.264		H.264+ /H.264	H.264+ /H.264
Analogue video input	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 4 channels of DS-7216HQHI-F2/N/A.		3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 4 channels of DS-7216HQHI-F1/N.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 2 channels of DS-7208HQHI-F2/N/A.
IP video input	2-ch,Up to 1080p resolution		2-ch,Up to 1080p resolution	2-ch,Up to 1080p resolution
HDMI/VGA output	HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF		When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF
Synchronous playback	16-ch		16-ch	8-ch
SATA	2 SATA interfaces		2 SATA interfaces	2 SATA interfaces
Capacity	Up to 6 TB capacity for each disk		Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	Front panel: 1 × USB 2.0,Rear panel: 1 × USB 3.0		Front panel: 1 × USB 2.0,Rear panel: 1 × USB 3.0	2 × USB 2.0
Alarm in/out	16/4		16/4	8/4
Power supply	12 VDC		12 VDC	12 VDC
Consumption (without HDD)	≤ 30W		≤ 30W	≤ 20W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%		10% to 90%	10% to 90%
Dimensions (W × D × H)	380 × 320 × 48 mm		315 × 242 × 45 mm	380 × 320 × 48 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)		≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)



Model Name	DS-7200HQHI-F1/N SERIES TURBO HD DVR		
Model	DS-7208HQHI-F1/N	DS-7204HQHI-F1/N/A	DS-7204HQHI-F1/N
Video compression	H.264+ /H.264	H.264+ /H.264	H.264+ /H.264
Analogue video input	8-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 2 channels of DS-7208HQHI-F2/N.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first channels of DS-7204HQHI-F2/N/A.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first channels of DS-7204HQHI-F2/N/A.
IP video input	2-ch, Up to 1080p resolution	1-ch, Up to 1080p resolution	1-ch, Up to 1080p resolution
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF
Synchronous playback	8-ch	4-ch	4-ch
SATA	1 SATA interfaces	1 SATA interfaces	1 SATA interfaces
Capacity	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0
Alarm in/out	8/4	4/1	NA
Power supply	12 VDC	12 VDC	12 VDC
Consumption (without HDD)	≤ 20W	≤ 15W	≤ 15W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%	10% to 90%
Dimensions (W × D × H)	315 × 242 × 45 mm	315 × 242 × 45 mm	315 × 242 × 45 mm
Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)



Model Name	DS-7100HQHI-F1/N SERIES TURBO HD DVR		
Model	DS-7116HQHI-F1/N	DS-7108HQHI-F1/N	DS-7104HQHI-F1/N
Video compression	H.264+ /H.264	H.264+ /H.264	H.264+ /H.264
Analogue video input	16-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch,BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 4 channels of DS-7116HQHI-F1/N.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first 2 channels of DS-7108HQHI-F1/N.	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first channels of DS-7104HQHI-F1/N.
IP video input			
HDMI/VGA output	HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF
Synchronous playback	16-ch	8-ch	4-ch
SATA	1 SATA interface	1 SATA interface	1 SATA interface
Capacity	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	Real panel: 2 × USB 2.0	Real panel: 2 × USB 2.0	Real panel: 2 × USB 2.0
Alarm in/out	NA	NA	NA
Power supply	12 VDC	12 VDC	12 VDC
Consumption (without HDD)	≤ 20W	≤ 12W	≤ 8 W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%	10% to 90%
Dimensions (W × D × H)	285 × 210 × 45 mm	200 × 200 × 45 mm	200 × 200 × 45 mm
Weight (without HDD)	≤ 1.2 kg (2.6 lb)	≤ 0.8 kg (1.8 lb)	≤ 0.8 kg (1.8 lb)



Model Name	DS-7100HGHI-F1 SERIES TURBO HD DVR	DS-7104HGHI-F1 SERIES TURBO HD DVR
Model	DS-7108HGHI-F1	DS-7104HGHI-F1
Video compression	H.264+ /H.264	H.264+ /H.264
Analogue video input	8-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	4-ch, BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	1080p25, 1080p30, 720p25, 720p30	1080p25, 1080p30, 720p25, 720p30
IP video input		
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF	When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF
Synchronous playback	8-ch	4-ch
SATA	1 SATA interface	1 SATA interface
Capacity	Up to 6 TB capacity for each disk	Up to 6 TB capacity for each disk
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface	Real panel: 2 × USB 2.0	Real panel: 2 × USB 2.0
Alarm in/out	NA	NA
Power supply	12 VDC	12 VDC
Consumption (without HDD)	≤ 12W	≤ 8W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	-10 °C to +55 °C (14 °F to 131 °F)
Working humidity	10% to 90%	10% to 90%
Dimensions (W × D × H)	200 × 200 × 45 mm	200 × 200 × 45 mm
Weight (without HDD)	≤ 0.8 kg (1.8 lb)	≤ 0.8 kg (1.8 lb)

DISPLAYS

MONITORS

Hikvision also offers a selection of monitors to complement your security solution. Whatever size you need - from 19" to 84", our LED displays give your eyes on your security solution.



Model	DS-D5032FC	DS-D5022QE-B	DS-D5022FC	DS-D5019QE-B
Max Resolution	1920×1080	1920×1080	1920×1080	1366×768
3D Combo Filter	●	●	●	●
3D De-Interlace	●	●	●	●
3D Noise Reduction	●	●	●	●
OSD	●	●	●	●
Backlight	TFT-LED Backlight	LED-Backlit	LED-Backlit	LED-Backlit TFT LCD
Active Display Area	32"	21.5"	21.5"	18.5"
Interface	HDMI×1, VGA×1, BNC input×1, BNC output×1, S-Video×1	HDMI×1, VGA×1	HDMI×1, VGA×1, BNC input×1, BNC output×1, USB×1	HDMI×1, VGA×1
Contrast Ratio	3000:1	1000:1	1000:1	600:1
Response Time	6.5ms	5ms	5ms	5ms
Power Supply	AC100 ~ 240V, 50/60Hz	AC100 ~ 240V,	DC 12V/3.0A	AC100 ~ 240V, 50/60Hz
Power consumption	≤55W	<30W (on) <0.4W (Standby)	<30W (on) <0.5W (Standby)	<20W (on) <0.5W (Standby)
Dimensions	743.95 × 443.40 × 58.70 mm	511 × 377 × 170 mm	511.4 × 313.0 × 45.4 mm	444.89 × 274.99 × 32.96 mm
Weight	10.6Kg(Gross weight) , 8Kg(Net weight)	4.5Kg(Gross weight) , 3.3(Net weight)	4.6Kg(Gross weight) , 3.2(Net weight)	4.0Kg (Gross weight), 2.8 (Net weight)
VESA mounting	200mm × 100mm	100mm × 100mm	100mm × 100mm	75mm × 75mm
Operating temperature	5°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C
VGA Cable	×1	×1	×1	×1
Certification	CE	CE	CE	CE



Model	DS-3E0326P-E	DS-3E0318P-E	DS-3E0109P-E	DS-3E0105P-E
Ports	24, 10/100Mbps RJ45 ports 2, 1000M Combo Port	16, 10/100Mbps RJ45 ports 2, 1000M Combo Port	8, 10/100Mbps RJ45 ports 1, 100M Ethernet Port	4, 10/100Mbps RJ45 ports 1, 100M Ethernet Port
Max. Forwarding Rate	6.55Mpps	5.36Mpps	1.34Mpps	0.74Mpps
Switching Capacity	8.8Gbps	7.2Gbps	1.8Gbps	1Gbps
PoE Budget	370W	230W	123W	58W
High Priority Ports	Ports 1-8	Ports 1-8	Ports 1-2	Ports 1
Flow Control	IEEE802.3x full duplex	IEEE802.3x full duplex	IEEE802.3x full duplex	IEEE802.3x full duplex
PoE Standard	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at
Working Mode	Extend On: 250m,10M,CAT 5e	Extend On:250m,10M,CAT 5e	Extend On:250m,10M,CAT 5e	Extend On:250m,10M,CAT 5e
Extend Off	100m	100m	100m	100m
Working Temperature	0° C to 40° C	0° C to 40° C	0° C to 40° C	0° C to 40° C
Power Supply	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz	51V DC, 2.5A	51V DC, 1.25A
Certification	CE	CE	CE	CE



Model		DS-3E0105P-E		DS-3E1318P-E	
Ports	10/100M RJ45 10/100/1000M RJ45 1000M SFP Port of high priority	8 2 2 (multiplex) Port 1 to 8		16 2 2 (multiplex) Port 1 to 8	
Performance	Store-and-forward MAC address table MAC address learning Backplane bandwidth	Support 4K Automatic learning/Aging 5.4 Gbps		Support 4K Automatic learning/Aging 7.2 Gbps	
PoE	PoE standard PoE cable core PoE port Port max. power Switch max. power	IEEE 802.3af, IEEE802.3at Supports 8-core power supply and simultaneous power supply via the 1236 and 4578 line order. Port 1 to 8 30W 123W		IEEE 802.3af, IEEE802.3at Supports 8-core power supply and simultaneous power supply via the 1236 and 4578 line order. Port 1 to 16 30W 230W	
Lighting Protection Grade	For port For power supply	30W 6 KV		30W 6 KV	
Power Supply		100 to 240 VAC, 50/60Hz		100 to 240 VAC, 50/60Hz	
Operating Environment	Working environment	Temperature: Humidity: Temperature: Humidity:	0 °C to - +40 °C (+32 °F to +104 °F) 10% to 90% (Relative humidity, without condensation) -40 °C to +70 °C (-40 °F to +158 °F) 5% to 90% (Relative humidity, without condensation)	Temperature: Humidity: Temperature: Humidity:	0 °C to - +40 °C (+32 °F to +104 °F) 10% to 90% (Relative humidity, without condensation) -40 °C to +70 °C (-40 °F to +158 °F) 5% to 90% (Relative humidity, without condensation)
	Storage environment				
Data Transfer Rate		Ethernet: Fast Ethernet: Gigabit Ethernet:	10 Mbps (half-duplex)/20 Mbps (full-duplex) 100 Mbps (half-duplex)/200 Mbps (full-duplex) 2000 Mbps (full-duplex)	Ethernet: Fast Ethernet: (full-duplex)	10 Mbps (half-duplex)/20 Mbps (full-duplex) 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps
Network Media		Ethernet: Fast Ethernet: Gigabit Ethernet: 1000 Base-SX: 1000 Base-LX:	UTP/STP of CAT3 or above UTP/STP of CAT5 or above Recommended UTP/STP of CAT5e or CAT6 MMF (Multi-Mode Fiber) MMF (Multi-Mode Fiber) or SMF (Single Mode Fiber)	Ethernet: Fast Ethernet: Gigabit Ethernet: 1000 Base-SX: 1000 Base-LX:	UTP/STP of CAT3 or above UTP/STP of CAT5 or above Recommended UTP/STP of CAT5e or CAT6 MMF (Multi-Mode Fiber) MMF (Multi-Mode Fiber) or SMF (Single Mode Fiber)
Network Standard		IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE 802.3af, IEEE802.3at, IEEE 802.3x, IEEE802.3z		IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE 802.3af, IEEE802.3at, IEEE 802.3x, IEEE802.3z	
Certification		CE		CE	



Model	DS-6908UDI	DS-6904UDI	DS-6901UDI
HDMI Output	4K: 3840 × 2160@30Hz (for even interface only) 1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz UXGA: 1600 × 1200@60Hz (for even interface only) 720p: 1280 × 720@50Hz/60Hz SXGA: 1280 × 1024@60Hz XGA: 1024 × 768@60Hz	4K: 3840 × 2160@30Hz (for even interface only) 1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz UXGA: 1600 × 1200@60Hz (for even interface only) 720p: 1280 × 720@50Hz/60Hz SXGA: 1280 × 1024@60Hz XGA: 1024 × 768@60Hz	4K: 3840 × 2160@30Hz (for even interface only) 1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz UXGA: 1600 × 1200@60Hz (for even interface only) 720p: 1280 × 720@50Hz/60Hz SXGA: 1280 × 1024@60Hz XGA: 1024 × 768@60Hz
VGA Output	1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz SXGA: 1280 × 1024@60Hz 720p: 1280 × 720@50Hz/60Hz XGA: 1024 × 768@60Hz	1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz SXGA: 1280 × 1024@60Hz 720p: 1280 × 720@50Hz/60Hz XGA: 1024 × 768@60Hz	1080p: 1920 × 1080@50/60Hz WSXGA: 1680×1050/60Hz SXGA: 1280 × 1024@60Hz 720p: 1280 × 720@50Hz/60Hz XGA: 1024 × 768@60Hz
BNC Output	4-ch, 1 DB 15	2-ch, 1 DB 15	1-ch
Decoding Resolution	Up to 12MP	Up to 12MP	Up to 12MP
Decoding Channel	64-ch	32-ch	16-ch
Decoding Capability	12MP@20fps:8-ch 8MP@30fps: 16-ch 5MP@30fps: 24-ch 3MP@30fps: 40-ch 1080p@30fps: 64-ch	12MP@20fps:4-ch 8MP@30fps: 8-ch 5MP@30fps: 12-ch 3MP@30fps: 20-ch 1080p@30fps: 32-ch	12MP@20fps: 2-ch 8MP@30fps: 4-ch 5MP@30fps: 6-ch 3MP@30fps: 10-ch 1080p@30fps: 16-ch
Split Screen	1/4/6/8/9/12/16/25/36	1/4/6/8/9/12/16/25	1/4/6/8/9/12/16
Network Interface	2, 10/100/1000 Mbps self-adaptive management network interface 2, 10/100/1000 Mbps self-adaptive Ethernet interface 16, 10M/100Mbps self-adaptive Ethernet	2, 10/100/1000 Mbps self-adaptive management network interface 2, 10/100/1000 Mbps self-adaptive Ethernet interface 16, 10M/100Mbps self-adaptive Ethernet	1, 10/100/1000 Mbps self-adaptive Ethernet interface
Serial Interface	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485	1 RS-232 (RJ45), 1 RS-485
Two-Way Audio In	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Two-Way Audio Out	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Audio Output	8-ch, 1 DB 15	4-ch, 1 DB 15	1-ch
Alarm In	8-ch	8-ch	8-ch
Alarm Out	8-ch	8-ch	8-ch
Power Supply	220 VAC	220 VAC	12 VDC
Power Consumption	≤ 70W	≤ 70W	≤ 15W
Working Temperature	-10 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C
Working Humidity	10% to 90%	10% to 90%	10% to 90%



Model	DS-6408HDI-T	DS-6408HDI-T/BNC	DS-6404HDI-T/BNC
HDMI Output			
VGA Output			
BNC Output			
Decoding Resolution	Up to 8MP	Up to 8MP	Up to 8MP
Decoding Channel	8MP: 4-ch SMP; 8-ch 1080p; 16-ch 720p; 32-ch 4CIF; 64-ch	8MP: 4-ch SMP; 8-ch 1080p; 16-ch 720p; 32-ch 4CIF; 64-ch	8MP: 2-ch SMP; 4-ch 1080p; 8-ch 720p; 16-ch 4CIF; 32-ch
Decoding Capability	8MP: 4-ch 5MP: 8-ch 1080p: 16-ch 720p: 32-ch 4CIF: 64-ch	8MP: 4-ch 5MP: 8-ch 1080p: 16-ch 720p: 32-ch 4CIF: 64-ch	8MP: 2-ch 5MP: 4-ch 1080p: 8-ch 720p: 16-ch 4CIF: 32-ch
Split Screen	1/4/9/16	1/4/9/16	1/4/9/16
Network Interface	1, 10/100/1000 Mbps self-adaptive Ethernet interface	1, 10/100/1000 Mbps self-adaptive Ethernet interface	1, 10/100/1000 Mbps self-adaptive Ethernet interface
Serial Interface	1 RS-232 (DB9), 1 RS-485	1 RS-232 (DB9), 1 RS-485	1 RS-232 (DB9), 1 RS-485
Two-Way Audio In	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Two-Way Audio Out	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)	1-ch, 3.5 mm connector (2.0 Vp-p, 1 KΩ)
Audio Output	8-ch, DB15 connector	8-ch, DB15 connector	8-ch, DB15 connector
Alarm In	4-ch	4-ch	4-ch
Alarm Out	4-ch	4-ch	4-ch
Power Supply	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Power Consumption	≤ 108W	≤ 108W	≤ 108W
Working Temperature	-10 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C
Working Humidity	10% to 90%	-10 °C to +55 °C	10% to 90%

				
Model Name	DS-6716HFI	DS-6701HFI	DS-6701HWI	DS-6708HQHI-SATA
Video compression	H.264 / MPEG4 / MPEG2 / MJPEG	H.264 / MPEG4 / MPEG2 / MJPEG	H.264 / MPEG4 / MPEG2 / MJPEG	H.264
Analog video input	16-ch	1-ch	1-ch	8-ch
Audio input	16-ch, Line input interface (2.0 Vp-p, 1 kΩ)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (Line in)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (Line in)	4-ch, RCA (2.0 Vp-p, 1 kΩ)
Two-way audio in	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)	1-ch, RCA (2.0 Vp-p, 1 kΩ)(using the 1st channel of audio input)
Encoding resolution	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	
Video bitrate	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)	32 Kbps to 10 Mbps
Audio output	1-ch, 3.5mm interface (Linear, 600 Ω)	1-ch, 3.5mm interface (Linear, 600 Ω)	1-ch, 3.5mm interface (Linear, 600 Ω)	1-ch, RCA (Linear, 1 kΩ)
Audio bitrate	64 Kbps	64 Kbps	64 Kbps	64 Kbps
SATA	1 microSD, up to 32GB	1 microSD, up to 32GB	1 microSD, up to 32GB	1 SATA interface
Capacity				Up to 6 TB capacity for each disk
Network interface	1x 10M/100M/1000M self-adaptive Ethernet interface	1x 10M/100Mself-adaptive Ethernet interface	1x 10M/100Mself-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
Serial interface	1 half-duplex RS-485 interface, 1 RS-232 interface	1 half-duplex RS-485 interface	1 half-duplex RS-485 interface	1, RS-485; half-duplex
Alarm in/out	16/4	1/1	1/1	8/4
Power supply	12V DC adapter	12V DC adapter, or via PoE	12V DC adapter, or via PoE	12 VDC
Consumption(without hard disks)	≤ 22W	≤ 6W	≤ 6W	≤ 30W
Working temperature	-10 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C
Working humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Chassis				380 mm 1U chassis

					
Model	DS-1200KI	DS-1006KI	DS-1100KI	DS-1005KI	DS-1004KI
LCD screen	128 × 64 pixel screen	128 × 64 pixel screen	7” ,resolution:800 × 480,with touch panel	3-axis control	4-axis
Joystick	4-axis joystick	4-axis joystick	4-axis joystick		RS-485 and RS-232
Control mode	Network, RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	IP-based		
Network interface	1; 10 M/100 Mbps self-adaptive Ethernet interface		1 10M/100M/1000M Ethernet interface		
Serial interface	1 RS-232, 1 RS-422, 1 RS-485	1 RS-232, 1 RS-422, 1 RS-485	1 RS-232 interface,1 RS-485 interface		1 RS-485 and 1 RS-232
USB interface	1 × USB 2.0	1 × USB 2.0	1 × USB 2.0	USB 2.0, DirectX	
Power supply	12 VDC	12 VDC	12 VDC	5V DC via USB	12V DC
Consumption	≤ 4.5W	≤ 4.5W	≤ 15W	≤ 5W	≤ 10W
Working temperature	-10°C to +55°C (14 °F to 131° F)	-10°C to +55°C (14 °F to 131° F)	-10°C to +55°C (14 °F to 131° F)	-10°C to +55°C (14 °F to 131° F)	-10°C to +55°C (14 °F to 131° F)
Working humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Dimensions (W × D × H)	435 × 193 × 110 mm	435 × 193 × 110 mm	435 × 193 × 110 mm	167×177.5×116mm	434 × 163 × 43mm
Weight	≤ 1 kg (2.2 lb)	≤ 1 kg (2.2 lb)	2 Kg (4.4 lb)		≤1.25Kg (2.76lb)

				
Model	DS-1H18	DS-1H18S	DS-1H34-0101P	DS-1H34-0102P
Max Transmission Dintace	200m	200m	500m	500m
Input			1-ch 10/100BaseT(X) and IEEE 802.3at standard of PD connection.	1-ch 10/100BaseT(X) and IEEE 802.3at standard of PD connection.
Output			1-ch 10/100BaseT(X) and IEEE 802.3af/at standard of PSE output.	2-ch 10/100BaseT(X) and IEEE 802.3af standard of PSE outputs.
PoE				
Consumption			≤2W	≤2W
Working Humidity			10 ~ 90%	10 ~ 90%
Working temperature			-30 °C to +70 °C (-22 °F to +158 °F)	-30 °C to +70 °C (-22 °F to +158 °F)
Power				
Dimensions (W × D × H)			71.6 × 26.1 × 95.5 mm	71.6 × 26.1 × 95.5 mm

		
Model	DS-2FP2020	DS-2FP4021-B
Working Temperature	-25°C to 70°C	-25°C to 55°C
Power	DC 12V [9V-15V]	DC 12V [9V-15V]
Dimensions (W × H × D)	Ø78mm×28mm	64mm×20mm [diameter * height]
Pickup range	70 m2	60 m2 / continuously adjustable
Audio transmission distance	3000m	
Sensitivity	-34dB	30dB / continuous
Frequency response	20Hz-20KHz	100Hz-16KHz (1kHz@94Db SPL)
Directivity characteristics	Omnidirectional	
SNR	60dB (1m40 dB audio tone SPL) 40dB (10m 40 dB audio tone SPL) 1KHz at 1 Pa	75dB
Dynamic Range	70dB(1KHz at Max dB SPL)	85dB
Maximum sound pressure	100dB SPL (1KHz THD 1%)	
Output impedance	600 ohm unbalanced	600 ohm unbalanced
Output signal amplitude	2.5Vpp/-25dB	0dBu (1kHz@94Db SPL)
Microphones	Capacitor microphone diaphragm	ECM Microphone Array, -41dB
The signal processing circuit	ANC ambient noise cancellation technology	Linear processing with drive
Protective Circuit	30KV Air contact ESD, lightning protection, reverse polarity protection;	Protection against lightning strike, signal misconnection protection
Drive Capability	Built-in pre-amplifier circuit can directly drive headphones;	Linear drive 0.5W, directly connected to DVR, headsets, active loudspeakers
Connection Mode	3 wires (Power, Audio out, GND)	3-core flexible glue wires (red: power, black: ground connection, yellow: voice frequency)
Transmission Cable	3-core shielded cable 0.5mm² RVVP	3-core 0.5mm² RVVP shield cable



Model	IPC-4300H
Display	4.3 inch IPS LCD test monitor with touch screen, resolution 800 (RGB) x 480
Network port	10/100M auto adapt,RJ45
WIFI	Built in WIFI, speeds150M, display wireless camera image
IP camera type	ONVIF, Hikvision. Customised welcome
IP discovery	Auto-scan the whole network segment camera IP
Rapid ONVIF	Search camera quickly, auto log in and display image from the camera, activate Hikvision camera
Hik test tool	Activate Hikvision camera. Camera image test, support modify IP, user name and password etc para
HD TVI camera test	Support resolution 720p 25fps,30fps,50fps,60fps / 1080P 25fps, 30fps, camera OSD menu control over coaxial cable
CVBS Video Signal test	1 channel Video IN BNC input,1 channel Video OUT BNC output,support PAL/NTSC
Zoom Image	Support Analogue camera and IP camera image zoom /move
Snapshot, video record and playback	Image Screen snapshot, record ,save ,view and record and play back
PoE power output	48V PoE power output,Max power 24W
12V/2Apower output	Output DC12V/2A power for camera
Audio test	1 channel audio signal input, test whether sound normal, 1 channel audio signal, to connect headphone
PTZ control	Support RS232/RS485 control, Baud 600-115200bps, Compatible with more than 30 protocols such as PELCO-D/P, Samsung, Panasonic, Lilitin, Yaan, etc
Colour bar generator	Output one channel PAL/NTSC colour bar video signal for testing monitor or video cable. (red, green ,blue, white and black colour)
UTP Cable tester	Test UTP cable connection status and display on the screen. Read the number on the screen
Data monitor	Captures and analyzes the command data from controlling device,also can send hexadecimal
Network test	IP address scan, link test, Ping test, Quickly search the connection IP camera and other device's IP address
PoE/PSE test	Measurement PoE switch or PSE power supply voltage and cable connection status



Model Name	HV0733D-6MP	TV2712D-MPIR
Facol Length	7-33mm	2.7-12mm
F number	F 0.95	F 1.2
Resolution	6MP	3MP



