

Q2 2022

# CORE SOLUTION PRODUCTS

Q2 2022 Guide

**HIKVISION**<sup>®</sup>

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# BENEFITS

## 1 STANDARD 5-YEAR WARRANTY

Hikvision's CORE Solution Product line consists only of products of the very highest quality. To demonstrate our faith in these products we offer a standard warranty period of five years. Even if your Hikvision product unexpectedly shows a defect during this period, your industry-leading five-year warranty will ensure your confidence and peace of mind. This applies to all 'Solution' products, including those not specifically mentioned in this CORE catalogue.

## 2 EXCLUSIVITY

We have recognised the need to protect our loyal VASP partners and ensure project profitability and protection. So we have now built in incremental discounts as your overall spend on our brand grows. Only Authorised, Silver, Gold or Platinum partners who are registered in the Hikvision Value Added Solution Partner (VASP) programme will qualify. To ensure that Hikvision users receive the support they deserve, all Solution Products, including the CORE products mentioned in this catalogue, and associated benefits are exclusively reserved for these premium partners.

## 3 AVAILABILITY

We understand that speed and reliability are essential, particularly during this period of challenging lead times. In order for you to get the kit you need when you need it, we have partnered with distributors to ensure they will always have supplies of CORE Solution Products on their shelves.

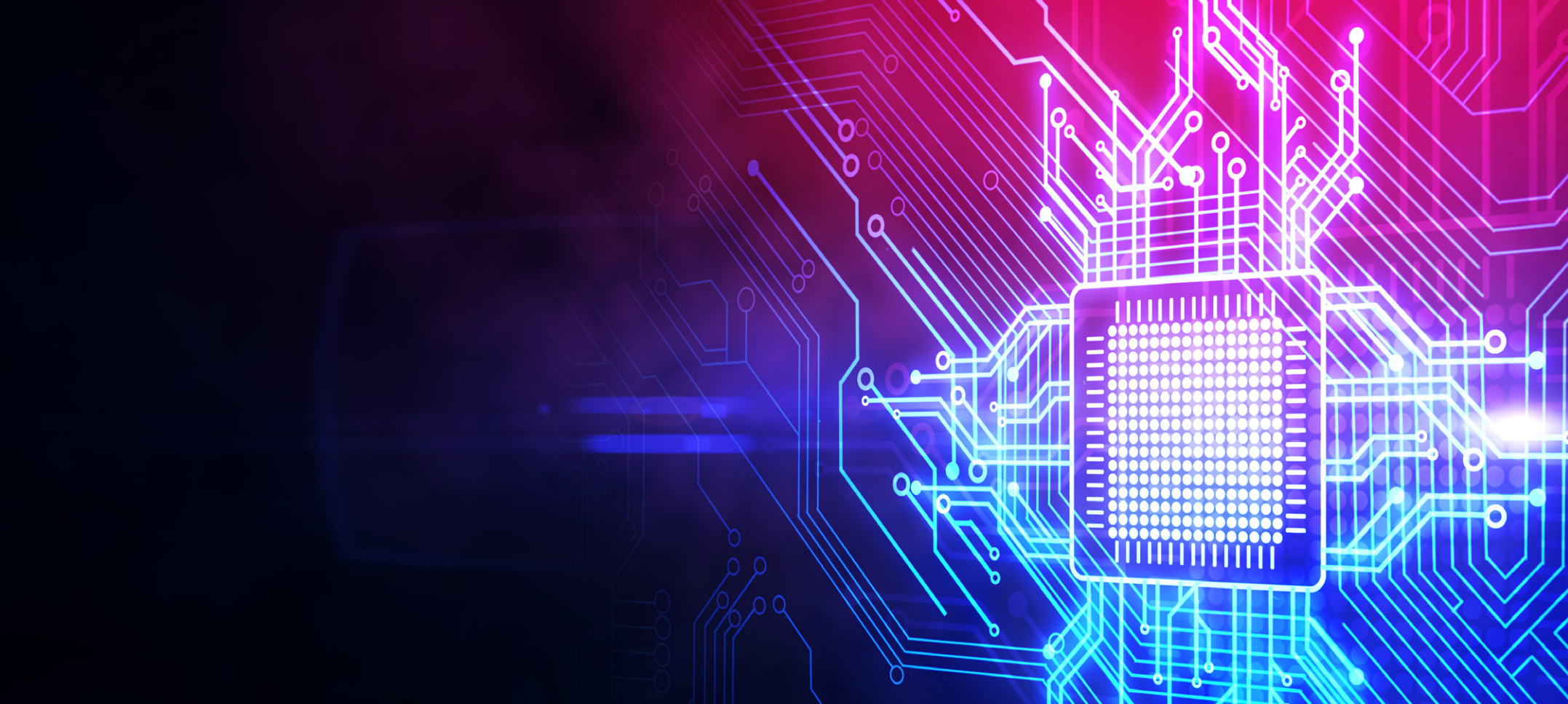
## 4 ADVANCE REPLACEMENT

Because CCTV products are often critical pieces of equipment, it is vital that downtime is kept to a minimum. Our Advance Replacement service, exclusive to the CORE Solution Products mentioned in this catalogue, provides you with a replacement device\* quickly and easily before sending the old one back. We have agreed with our distribution partners for them to make advance replacement products available to you in the event of a confirmed failure, as long as the affected device is still within the standard five-year warranty period. Advance Replacement helps you offer your customers the high quality of service they deserve.

*\*The advance replacement item may be selected from service replacement stocks.*

## 5 SERVICE






Hikvision partners who use CORE Solution Products can benefit from attractive price discounts through authorised distribution partners. In addition, by officially registering your project with Hikvision, you can access direct support from the local UK & Ireland team, including project design, management, and project discount support. By working together, we can support partners both commercially and technically on your most critical and complex projects.



## ULTRA SERIES NETWORK CAMERAS (3 SERIES)

- ▶ Ultra Series Cameras easily meet the requirements for projects with surprisingly high performance, excellent stability and network security
- ▶ Excellent adaptability to lighting conditions with DarkFighter and ColorVu technologies
- ▶ False alarm reduction through human and vehicle target classification based on AcuSense technology
- ▶ Excellent stability: dual-file system backup, wide voltage range, NEMA 4X anti-corrosion, etc.
- ▶ Loaded with advanced security functionalities to increase your system's cyber defense capabilities, including 802.1x EAP-TLS 1.2, security audit log, stream encryption, SFTP, SD card encryption, etc.
- ▶ Supports HEOP, Metadata, ONVIF, ISAPI, SDK, and E-Home to make integration easier

Model	DS-2CD3156G2-ISU(2.8mm)	DS-2CD3186G2-ISU(2.8mm)	DS-2CD3356G2-ISU(2.8mm)	DS-2CD3386G2-ISU(2.8mm)	DS-2CD3656G2-IZS(2.7-13.5mm)	DS-2CD3686G2-IZS(2.7-13.5mm)
Image						
Image Sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2592 × 1944	3840 × 2160	2592 × 1944	3840 × 2160	2592 × 1944	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
WDR	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB
Lens	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.7 to 13.5 mm	2.7 to 13.5 mm
FOV	Horizontal FOV 97°, vertical FOV 71°, diagonal FOV 129°	Horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131°	Horizontal FOV 97°, vertical FOV 71°, diagonal FOV 129°	Horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131°	2.7 to 13.5 mm: horizontal FOV 101° to 31°, vertical FOV 72.2° to 23.4°, diagonal FOV 138.8° to 39.8°	2.7 to 13.5 mm: horizontal FOV 108.1° to 45.5°, vertical FOV 58.4° to 25.7°, diagonal FOV 127.3° to 52.1°
Max. IR Range	40 m	40 m	40 m	40 m	60 m	60 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50Hz: 20 fps (2592 × 1944), 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944), 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (3840 × 2160, 3072 × 1728), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (2592 × 1944), 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944), 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (3840 × 2160, 3072 × 1728), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (2592 × 1944), 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944), 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (3840 × 2160, 3072 × 1728), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67	IP67	IP67,IK10	IP67,IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	95% or less
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out, Built-in microphone(-U)	1 in, 1 out, Built-in microphone(-U)	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Power Supply	12 VDC ± 25%, 6.5W PoE (802.3af, 36V to 57V), 7.5W	12 VDC ± 25%, 6.5W PoE (802.3af, 36V to 57V), 7.5W	12 VDC ± 25%, 5.8W PoE (802.3af, 36V to 57V), 6.8W	12 VDC ± 25%, 5.8W PoE (802.3af, 36V to 57V), 6.8W	12 VDC ± 25%, 13W PoE (802.3at, 42.5V to 57V), 15W	12 VDC ± 25%, 13W PoE (802.3at, 42.5V to 57V), 15W

Model	DS-2CD3756G2-IZS(2.7-13.5mm)	DS-2CD3786G2-IZS(2.7-13.5mm)	DS-2CD3T56G2-4IS(4mm)	DS-2CD3T86G2-4IS(4mm)	DS-2CD3347G2-LSU(2.8mm)	DS-2CD3387G2-LSU(2.8mm)
Image						
Image Sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2" Progressive Scan CMOS
Max. Resolution	2592 × 1944	3840 × 2160	2592 × 1944	3840 × 2160	2688 × 1520	3840 × 2160
Video Compression	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265 / H.264 / MJPEG / H.264+ / H.265+	H.265/H.264/H.264+/H.265+
Min. Illumination	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.4, AGC ON), 0 Lux with IR on	0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light	Color: 0.0005 Lux @ (F1.0, AGC ON)
WDR	120 dB	120 dB	120 dB	120 dB	130 dB	120 dB
Lens	2.7 to 13.5 mm	2.7 to 13.5 mm	4 mm	4 mm	2.8 mm	2.8 mm
FOV	2.7 to 13.5 mm: horizontal FOV 101° to 31°, vertical FOV 72.2° to 23.4°, diagonal FOV 138.8° to 39.8°	2.7 to 13.5 mm: horizontal FOV 108.1° to 45.5°, vertical FOV 58.4° to 25.7°, diagonal FOV 127.3° to 52.1°	Horizontal FOV 78°, vertical FOV 58°, diagonal FOV 102°	Horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102°	Horizontal FOV 109°, vertical FOV 55°, diagonal FOV 138°	Horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124°
Max. IR Range	40 m	40 m	90 m	90 m	40 m	40 m
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Frame Rate	50Hz: 20 fps (2592 × 1944), 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944), 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (3840 × 2160, 3072 × 1728), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (2592 × 1944), 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944), 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50Hz: 20 fps (3840 × 2160, 3072 × 1728), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Multi-Streaming	4	4	4	4	4	4
Protection Level	IP67,IK10	IP67,IK10	IP67	IP67	IP67	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Operating Humidity	95% or less	95% or less	95% or less	95% or less	95% or less	Humidity 95% or less (non-condensing)
Local Storage	256 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Audio I/O	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out, Built-in microphone	1 in, 1 out, Built-in microphone
Alarm I/O	1 in, 1 out	1 in, 1 out	2 in, 2 out	2 in, 2 out	1 in, 1 out	1 input, 1 output (max. 12 VDC, 30 mA)
Power Supply	12 VDC ± 25%, 11W PoE (802.3af, 36V to 57V), 12.9W	*12 VDC ± 25%, 11W PoE (802.3af, 36V to 57V), 12.9W	12 VDC ± 25%, 13W PoE (802.3af, 42.5V to 57V), 14W	12 VDC ± 25%, 13W PoE (802.3af, 42.5V to 57V), 14W	12 VDC ± 25%, 7.2W PoE (802.3af, 36V to 57V), 8.2W	12 VDC, 0.47 A, max. 5.6 W PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W












# ULTRA SERIES PTZ CAMERAS

Great Innovation, Inside and Out

- ▶ H.265+ / H.265 codec
- ▶ 4K ultra HD
- ▶ DarkFighterX technology
- ▶ High resolution DarkFighter deep-learning-based target classification algorithm for Auto-Tracking 3.0 and perimeter protection
- ▶ False alarm reduction
- ▶ Face capture and ANPR
- ▶ Image enhancement including rapid focus, P-Iris, 140 dB WDR, and extended IR
- ▶ High zoom ratio and optical image stabilization (OIS)
- ▶ Supports IK10 & IP67, wiper
- ▶ Supports ONVIF, ISAPI, and CGI
- ▶ Supports Hikvision SDK and third-party management platform

Model	DS-2DF8C442IXS-AELW	DS-2DF8225IX-AELW	DS-2DF8C842IXS-AELW
Image	 DarkFighter <sup>+</sup>	 DarkFighter <sup>+</sup>	 DarkFighter <sup>+</sup>
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" progressive scan CMOS	1/1.2" progressive scan CMOS
Max. Resolution	2560 × 1440	1920 × 1080	3840 × 2160
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 mm to 252 mm, 42× Optical	5.9 to 147.5 mm, 25x optical	7.5 mm to 315 mm, 42 × Optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)	Horizontal field of view: 60.4° to 1.7° (wide-tele), Vertical field of view: 36.2° to 0.9° (wide-tele), Diagonal field of view: 67.8° to 2.2° (wide-tele)
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.5, AGC ON)	Color: 0.002 Lux @ (F1.6, AGC ON), B/W: 0.0002 Lux @ (F1.6, AGC ON), 0 Lux with IR
WDR	140 dB	140 dB	120 dB
Max. IR Range	500 m	400 m	500 m
VCA	Unattended Baggage Detection, Object Removal Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection, Vandal-Proof Alarm	Unattended Baggage Detection, Object Removal Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection, Vandal-Proof Alarm	Unattended Baggage Detection, Object Removal Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection, Vandal-Proof Alarm
Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 50 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10 (without wiper)	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10 (without wiper)	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10 (excluding glass window)
Pan Range	360° endless	360° endless	360° endless
Tilt Range	From -20° to 90°	From -20° to 90°	From -20° to 90°
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	≤ 95%	≤ 95%	≤ 95%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio I/O	1/1	1/1	1/1
Alarm I/O	7/2	7/2	7/2
Power	24 VAC (Max. 60 W, including max. 15 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 15 W for IR and max. 8 W for heater)	24 VAC (Max. 60 W, including max. 15 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 15 W for IR and max. 8 W for heater)	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater)



Model	DS-2DF8242IX-AELW	DS-2SE7C144IW-AE(32X/4)
Image	 	 
Image Sensor	1/1.8" progressive scan CMOS	[Panoramic channel]: 1/2.8" progressive scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Max. Resolution	1920 × 1080	[Panoramic channel]: 2560 × 1440; [PTZ channel]: 2560 × 1440
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264	Main Stream: H.265+ / H.265 / H.264+ / H.264
Lens	6.0 to 252 mm, 42x optical	[Panoramic channel]: 4 mm; [PTZ channel]: 5.9 to 188.8 mm, 32 × optical
Angle of View	Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)	[Panoramic channel]: Horizontal field of view: 79°, Vertical field of view: 42.4°; [PTZ channel]: Horizontal field of view: 60.2° to 2.3° (wide-tele)
Min. Illumination	Color: 0.002 Lux @(F1.2, AGC ON)	[Panoramic channel]: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR; [PTZ channel]: Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR
WDR	140 dB	120 dB
Max. IR Range	400 m	[PTZ channel]: up to 150 m; [Panoramic channel]: up to 30 m
VCA	Face Capture, Road Traffic, Auto tracking 2.0 (support tracking specified target types such as human and vehicle), Event tracking Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection
Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	[Panoramic channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Streams	3	3
Protection Level	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10(without wiper)	IP66 Standard, IK10 (excluding glass window)
Pan Range	360° endless	360° endless
Tilt Range	From -20° to 90°	From -15° to 90° (auto flip)
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s	Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	≤ 95%	< 90%
Local Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Audio I/O	1/1	1/1
Alarm I/O	7/2	2/1
Power	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) , Hi-PoE



# PANOVU SERIES



From Expansive Scenes to Detailed Close-Ups

- ▶ 360° / 270° / 180° image stitching
- ▶ Multiple display modes
- ▶ Face capture (PTZ PanoVu only)
- ▶ Saves labour costs
- ▶ Saves IP address costs

**PanoVu Camera**

Model	DS-2CD6D54FWD-IZHS	DS-2CD6D546I1-IZS	DS-2CD6D52G0-IHS(2.8mm)
<b>Image</b>	 PanoVu	 PanoVu	 PanoVu
<b>Image Sensor</b>	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
<b>Resolution</b>	2560 × 1920	2560 × 1920	2560 × 1920
<b>Video Compression</b>	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
<b>Min. Illumination</b>	Color: 0.006 Lux @ (F1.2, AGC ON), 0.010 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on	Color: 0.0125 lux @ (F1.9, AGC ON); B/W: 0.0025 lux @ (F1.9, AGC ON)	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR
<b>WDR</b>	120 dB	120 dB	120 dB
<b>Lens</b>	Four 2.8 to 12 mm	Four 2.8 to 8 mm	2.8 mm / 4 mm / 6 mm
<b>FOV</b>	Horizontal field of view: 30° to 101° Vertical field of view: 22.4° to 73° Diagonal field of view: 37° to 137°	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°	2.8mm @ F1.6 horizontal FOV 97°, vertical FOV 70°, diagonal FOV 128° 4 mm @ F1.6, horizontal FOV 79°, vertical FOV 57°, diagonal FOV 104° 6 mm @ F1.6, horizontal FOV 49°, vertical FOV 35°, diagonal FOV 63°
<b>Optical Zoom</b>	-	-	-
<b>Max. IR Range</b>	30 m	30 m	10 m
<b>VCA</b>	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection	-
<b>Frame Rate</b>	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2560 × 1920, 2048 × 1536) 60Hz: 30fps (2560 × 1920, 2048 × 1536)
<b>Streams</b>	3	3	3
<b>Protection Level</b>	IP67, IK10	IP67, IK10	IP67, IK10
<b>Angle Adjustment</b>	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°	Pan: -60° to 60°, tilt: 10° to 90°	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°
<b>Operating Temperature</b>	-30 °C to 60 °C [-22 °F to 140 °F]. -H: -40 °C to 60 °C [-40 °F to 140 °F]	-30 °C to 60 °C [-22 °F to 140 °F]	-40 °C to 60 °C [-40 °F to 140 °F]
<b>Humidity</b>	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)
<b>Local Storage</b>	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 128 GB	Built-in micro SD / SDHC / SDXC slot, up to 256 GB
<b>Indoor/Outdoor</b>	Outdoor	Outdoor	Outdoor
<b>Audio I/O</b>	With -S: 1-ch 3.5 mm input (line in), 1-ch 3.5mm output, dual-track, stereo	With S: 1 input (line in), 1 output (line out), mono sound	Without -S: 2 built-in mics With S: 2 built-in mics, 1 line in, 1 line out
<b>Alarm I/O</b>	With -S: 2 inputs, 2 outputs	With S: 2 inputs, 2 outputs	With S: 1 input, 1 output
<b>Power</b>	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -I, -IZS/NFC, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)	12 VDC ± 20%, reverse polarity protection; three-core terminal block 24 VAC ± 20%; PoE (802.3at, class 4)	12 VDC & PoE (802.3af)

**PanoVu PTZ**

Model	DS-2CD692460-IHS(2.8mm)	DS-2DP3236ZIXS-D/440
<b>Image</b>	 PanoVu	 PanoVu
<b>Image Sensor</b>	1/1.8" Progressive Scan CMOS	[Panoramic channel]: 1/1.8" progressive scan CMOS, [PTZ channel]: 1/1.8" progressive scan CMOS
<b>Resolution</b>	3840 × 2160 (Panorama mode)	[Panoramic channel]: 50 Hz: 25 fps 8160 × 3616 [PTZ channel]: 50 Hz: 25 fps 3840 × 2160
<b>Video Compression</b>	H.265+ / H.264+ / H.265 / H.264 / MJPEG	H.265+ / H.264+ / H.265 / H.264 / MJPEG
<b>Min. Illumination</b>	Color: 0.003 lux @ (F1.2, AGC ON), B/W: 0.0018 lux @ (F1.6, AGC ON), 0 lux with IR	[Panoramic channel] Color: 0.0005 Lux (F1.0, AGC ON), B/W: 0.0001 Lux (F1.0, AGC ON); [PTZ channel] 0.0005 Lux (F1.2, AGC ON), B/W: 0.0001 Lux (F1.2, AGC ON), 0 Lux with IR
<b>WDR</b>	Digital WDR	120 dB
<b>Lens</b>	Four 2.8 mm / 6 mm	[Panoramic channel] 2.8 mm; [PTZ channel] 6.0 to 240 mm
<b>FOV</b>	2.8 mm: horizontal FOV 180°, vertical FOV 90° 6 mm: horizontal FOV 180°, vertical FOV 25°	Horizontal: 2 × 180°, Vertical: 85°
<b>Optical Zoom</b>	-	40x
<b>Max. IR Range</b>	20 m (Four IR LEDs)	250 m
<b>VCA</b>	-	Panoramic: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection PTZ: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection
<b>Frame Rate</b>	50Hz: 25fps (3840 × 2160, 2560 × 1440, 1920 × 1080) 60Hz: 30fps (3840 × 2160, 2560 × 1440, 1920 × 1080)	-
<b>Streams</b>	2	-
<b>Protection Level</b>	IP67, IK10	IP67, IK10
<b>Angle Adjustment</b>	Pan: 0° to 355°, tilt: 0° to 90°	-
<b>Operating Temperature</b>	-40 °C to +60 °C [-40 °F to +140 °F]	Outdoor: -40°C to 70°C [-40°F to 158°F]
<b>Humidity</b>	≤ 95%	≤ 90%
<b>Local Storage</b>	Micro SD / SDHC / SDXC slot, up to 256 GB	Micro SD / SDHC / SDXC slot, up to 256 GB
<b>Indoor/Outdoor</b>	Outdoor	Outdoor
<b>Audio I/O</b>	1-ch audio input and 1-ch audio output	1-ch audio input and 1-ch audio output
<b>Alarm I/O</b>	2 Inputs, 2 outputs	7 inputs, 2 outputs
<b>Power</b>	12 VDC & PoE(802.3at) Max.: 24W	36 VDC







# FISHEYE SERIES

## Single Sensor Panorama Camera

- ▶ 360° / 180° overview
- ▶ Multiple display modes
- ▶ ImmerVision lens (DS-2CD63C5G0 only)
- ▶ Deep learning heat map (optional)
- ▶ Deep learning intersection flow analysis (optional)
- ▶ Deep learning people counting (optional)
- ▶ Supports onboard dewarping

### Fisheye

Model	DS-2CD6365G0-IS(1.27mm)(B)	DS-2CD63C5G0-IVS(1.29mm)(B)
Image		
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Max.Resolution	3072 × 2048	4000 × 3000
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Min. Illumination	Color: 0.047 lux @ (F2.6, AGC ON), B/W: 0.0047 lux @ (F2.6, AGC ON), 0 lux with IR	Color: 0.05 lux @ (F2.2, AGC ON), B/W: 0.01 lux @ (F2.2, AGC ON), 0 lux with IR
WDR	DWDR	DWDR
Lens	1.27 mm	1.29 mm
FOV	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)	Horizontal FOV: 180°, vertical FOV: 180°
Max. IR Range	15 m (three independently controlled LEDs)	15 m (three independently controlled LEDs)
VCA	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection; Heat map with deep learning algorithm;Intersection analysis; People Counting	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection; Heat map with deep learning algorithm;Intersection analysis; People Counting
Frame Rate	50Hz: 25fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60Hz: 30fps (3072 × 2048, 2048 × 2048, 1280 × 1280)	50Hz: 20fps (4000 × 3000), 25fps (3000 × 3000, 2560 × 2560) 60Hz: 20fps (4000 × 3000), 30fps (3000 × 3000, 2560 × 2560)
Streams	2	2
Protection Level	With -V: IP67, IK10	With -V: IP67, IK10
Angle Adjustment	-	-
Operating Temperature	-40 °C to 60 °C (-40 °F to +140 °F) Heater	-40 °C to 60 °C (-40 °F to +140 °F) Heater
Humidity	humidity 95% or less (non-condensing)	humidity 95% or less (non-condensing)
Local Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Indoor/Outdoor	indoor/outdoor	indoor/outdoor
Audio I/O	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)	2 built-in microphones, 1 built-in speaker, mono sound -S: 1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)
Alarm I/O	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A	With -S: 1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A
Power	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug	12 VDC±20%, PoE (802.3at, class 4), -S model: two-core terminal block Without -S model: Ø 5.5 × 2.1 mm coaxial power plug





# ULTRA SERIES NVR (I-SERIES)

## Superior Storage and Robust Recording

- ▶ H.265+/H.265, H.264+/H.264, MPEG4 self-adapting decoding
- ▶ Advanced streaming technology enables a smooth live feed even under imperfect network conditions
- ▶ Supports RAID 0, 1, 5, 6, 10 and N+1 hot spare for even more reliable data storage, effectively reducing data loss risks
- ▶ Supports people counting cameras, automatic number plate recognition (ANPR) cameras, fisheye cameras, and PoS text overlay
- ▶ Supports IoT systems (CCTV and Non-CCTV convergence)

### I-Series NVR

Model	DS-9664NI-I8	DS-9632NI-I8
Image		
Hardware Platform	Quad-core embedded processor	Quad-core embedded processor
Channel No.	64-ch	32-ch
Decoding Format	H.265 / H.265+ / H.264 / H.264+ / MPEG4	H.265 / H.265+ / H.264 / H.264+ / MPEG4
Incoming/Outgoing Bandwidth	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)	320 Mbps / 256 Mbps 200 Mbps / 200 Mbps (RAID mode)
Decoding Capacity	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)	2-ch @ 12 MP (20 fps) / 4-ch @ 8 MP (25 fps) / 8-ch @ 4 MP (30 fps) / 16-ch @ 1080p (30 fps)
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Display	2 HDMI / 2 VGA	2 HDMI / 2 VGA
Video Output	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 VGA2/HDMI2:1920 × 1080p/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 VGA2/HDMI2:1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD	-	-
Storage Capacity	8 SATA interfaces Up to 10 TB for each HDD	8 SATA interfaces Up to 10 TB for each HDD
eSATA / Mini SAS	1 eSATA interface	1 eSATA interface
RAID Type	RAID0, RAID1, RAID5, RAID 6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Audio Output	2-ch. RCA (2.0 Vp-p, 1 KΩ)	2-ch, RCA (2.0Vp-p, 1 KΩ)
Alarm I/O	16/4	16/4
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE Port	-	-
USB Port	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Smart Function	Supports multiple VCA(Video Content Analytics) events for IP cameras	Supports multiple VCA(Video Content Analytics) events for IP cameras
Power Consumption (without HDD)	≤ 30 W	≤ 30 W





# DEEPINVIEW SERIES NETWORK CAMERAS

## Deeper Intelligence for Expansive Security

- ▶ High performance and intelligent products with Deep Learning algorithms and high performance GPU
- ▶ The 2nd-generation DeepinView Series supports multiple algorithms in one device for a variety of scenarios. Additionally, it integrates multiple lenses to simultaneously capture sharp details and the big picture for extensive situational awareness.
- ▶ People counting, dual-lens people counting, multi-target-type detection, ANPR, vehicle appearance analysis, hard hat detection, facial recognition, perimeter protection, and queue management.
- ▶ DeepinView Series products are edge nodes in the AI Cloud architecture, focusing on multidimensional data collection and front-end intelligent processing.

Model	iDS-2CD714660-IZS(2.8-12mm)(C)	iDS-2CD7A4660-IZHS(2.8-12mm)(C)	iDS-2CD754660-IZHS(2.8-12mm)(C)	iDS-2CD758660-IZHS(2.8-12mm)(C)	DS-2CD682560/C-IS(2.0mm)
Image	 DeepinView	 DeepinView	 DeepinView	 DeepinView	 DeepinView
Image Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.2.7" Progressive Scan CMOS
Max. Resolution	2680 × 1520	2680 × 1520	2680 × 1520	3840 × 2160	1920 × 1080
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream: H.265/H.264/MJPEG*	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)	Color: 0.009 Lux @ (F1.2, AGC ON); B/W: 0.0009 Lux @ (F1.2, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON) B/W: 0.0035 Lux @ (F2.2.5, AGC ON)
WDR	140 dB	140 dB	140 dB	120 dB	Digital WDR
Lens	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2.8 to 12 mm or 8 to 32 mm	2 mm
FOV	2.8 to 12 mm, horizontal FOV 114.5° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.1° to 48° 8 to 32 mm, horizontal FOV 42.5° to 15.1°, vertical FOV 23.3° to 8.64°, diagonal FOV 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV 114.5° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.1° to 48° 8 to 32mm, horizontal FOV 42.5° to 15.1°, vertical FOV 23.3° to 8.64°, diagonal FOV 49.6° to 17.3°	2.8 to 12 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58° to 23.1°, diagonal FOV 137.3° to 47.3° 8 to 32 mm, horizontal FOV 41.8° to 14.9°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17°	Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°
Max. IR Range	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	2.8 to 12 mm: 50 m 8 to 32 mm: 80 m	2.8 to 12 mm: 30 m 8 to 32 mm: 80 m	2.8 to 12 mm: 30 m 8 to 32 mm: 50 m	6 m
VCA	Deep-learning-based algorithm: Multi-target-type Detection, Face Comparison, Face Capture, Face Recognition, Face Attributes, Premier Protection, Queue Management Traditional algorithm: Motion detection, video tampering alarm, exception, Counting	Deep-learning-based algorithm: Multi-target-type Detection, Face Comparison, Face Capture, Face Recognition, Face Attributes, Premier Protection, Queue Management Traditional algorithm: Motion detection, video tampering alarm, exception, Counting	Deep-learning-based algorithm: Multi-target-type Detection, Face Comparison, Face Capture, Face Recognition, Face Attributes, Premier Protection, Queue Management Traditional algorithm: Motion detection, video tampering alarm, exception, Counting	Deep-learning-based algorithm: Multi-target-type Detection, Face Comparison, Face Capture, Face Recognition, Face Attributes, Premier Protection, Queue Management Traditional algorithm: Motion detection, video tampering alarm, exception, Counting	Counts people entering and exiting separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height
Frame Rate	50Hz: 25fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)
Streams	5+5	5+5	5+5	5+5	2
Protection Level	IK10	IP67, IK10	IP67, IK10	IP67, IK10	-
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	-
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-22 °F to 140 °F)	-30 °C to +45 °C (-22 °F to +113 °F)
Humidity	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	95% or less (non-condensing)
Local Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	-
Indoor/Outdoor	Indoor	Outdoor	Outdoor	Outdoor	Indoor
Audio I/O	1 input (line in), 3.5 mm connector; 1 output (line out), 3.5 mm connector, 1 built-in microphone	With -R: not support with -IZHSY 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	With -R: 2 built-in microphone Without -R: 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	With -R: 2 built-in microphone Without -R: 1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector, mono sound	1 built-in mic -S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound
Alarm I/O	1 input, 1 output (max. 24 VDC, 1 A)	2 input, 2 outputs (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)	1 input, 1 output (max. 24 VDC, 1 A)
Power	12 VDC ± 20%, two-core terminal block, reverse polarity protection; 24 VAC ± 20%; PoE: 802.3af, Type 1 Class 3	12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4	12 VDC ± 20%, 10 to 48 VDC, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 15 to 36 VDC; PoE: 802.3at, Type 1, Class 4	12 VDC ± 20%, 10 to 48 VDC, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 15 to 36 VDC; PoE: 802.3at, Type 1, Class 4	12 VDC ± 20%, reverse polarity protection, Ø5.5mm coaxial power plug 12 VDC, PoE (36 to 57 VDC, 802.3af), Class 3





# DEEPINMIND SERIES NVR

Deeper Intelligence for Expansive Security

- ▶ The first deep-learning NVR in the industry
- ▶ GPU-based designs
- ▶ Intelligent analytics and advanced storage in one
- ▶ Fast and accurate facial, human body, vehicle, and behaviour recognition, and perimeter protection

Model	iDS-7716NXI-I4/16P/X(C)	iDS-7732NXI-I4/16P/X(C)	iDS-9632NXI-I8/X(C)
Image	 DeepinMind	 DeepinMind	 DeepinMind
Image Sensor	Quad-core embedded processor	Quad-core embedded processor	Quad-core embedded processor
Max. Resolution	16-ch	32-ch	32-ch
Video Compression	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
Min. Illumination	320 Mbps / 256 Mbps	320 Mbps / 256 Mbps	RAID enabled: 200 Mbps/200 Mbps RAID disabled: 320 Mbps/256 Mbps
WDR	16-ch @ 1080p (30 fps)	16-ch @ 1080p (30 fps)	16-ch @ 1080p (30 fps)
Lens	12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 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	12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
FOV	2 HDMI / 1 VGA	2 HDMI / 1 VGA	2 HDMI / 2 VGA
Max. IR Range	-	-	-
VCA	4 SATA interfaces Up to 10 TB capacity for each HDD	4 SATA interfaces Up to 10 TB capacity for each HDD	8 SATA interfaces Up to 10 TB capacity for each HDD
Frame Rate	1 eSATA interface	1 eSATA interface	1 eSATA interface
Streams	-	-	RAID0, RAID1, RAID5, RAID6, RAID10
Protection Level	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA Simultaneous Output HDMI1:4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI2:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA2/HDMI2 :1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Angle Adjustment	1-ch, RCA (Linear, 1 K0)	1-ch, RCA (Linear, 1 K0)	2-ch, RCA (Linear, 1 K0)
Operating Temperature	16/8	16/8	16/4 (16/8 is optional)
Humidity	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Local Storage	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces	-
Indoor/Outdoor	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
Audio I/O	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction; Video Structuralization	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction; Video Structuralization"	Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison; VCA search for facial detection, false alarm reduction Video Structuralization
Alarm I/O	≤ 30 W	≤ 30 W	≤ 70 W
Power	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization	32 libraries with 100,000 face pictures in total Face picture comparison and alarm linkage actions for up to 16 channels Up to 16-ch 2 MP video analysis for human and vehicle recognition to reduce false alarms Up to 4-ch 2MP Video Structuralization









# THERMAL SECURITY CAMERAS

See the World in a New Way

Hikvision's Thermal Security Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They feature expert design for high value infrastructure applications in power stations, substations, airports, warehouses, and other vertical industries.

- ▶ All-weather deterrence and alerts
- ▶ Thermal video analytics with deep-learning human & vehicle classification, reducing maintenance overhead
- ▶ Temperature exception alarms for fire prevention
- ▶ Multiple model options covering short and long range demands



Model	DS-2TD2138-4/QY	DS-2TD2138-7/QY	DS-2TD2138-10/QY	DS-2TD2637-10/PI
Image				 <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">Dual Lens</span>
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	< 35 mk (@25°C,F#=1.0)	≤ 35 mk (@25 °C,F# = 1.0)
Pixel Pitch (Thermal)	12 μm	12 μm	12 μm	17 μm
Resolution (Thermal)	384 × 288	384 × 288	384 × 288	384 × 288
Sensor (Optical)	-	-	-	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	-	-	-	2688 × 1520
Min. Illumination (Optical)	-	-	-	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Lens	4.4 mm	6.5 mm	9.7 mm	Thermal: 9.7 mm Optical: 4 mm
Field of View (Thermal)	60.0° × 45.0° (H × V)	42.0° × 32.0° (H × V)	26.0° × 20.0° (H × V)	37.5° × 28.5° (H × V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps	25fps
Ingress Protection	IP67	IP67	IP67	IP67
Pan/Tilt	-	-	-	-
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1 3.5mm Mic in/Line in interface. Line input: 2-2.4 V(p-p), output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear Level; Impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	2-ch Input (0-5 VDC)	2-ch Input (0-5 VDC)	2-ch Input (0-5 VDC)	1-ch inputs (0-5 VDC)
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	1-ch relay outputs, alarm response actions configurable
Power	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block PoE (802.3af, class 3)	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	24 VAC ± 25%, 12 VDC ± 25%; PoE (802.3af, class 3)	18 VAC to 30 VAC: 0.38 A to 0.22 A, max. 9 W 9 VDC to 15 VDC: 0.63 A to 1.06 A, max. 9 W PoE (802.3af, class 3): 44 V to 57 V, 0.22 A to 0.17 A, max. 9.5 W
Environmental Requirement	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 90% or less	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Fire Detection	-	-	-	Dynamic fire detection, up to 10 fire points detectable.
Temperature Measuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)

# HeatPro









## HEATPRO

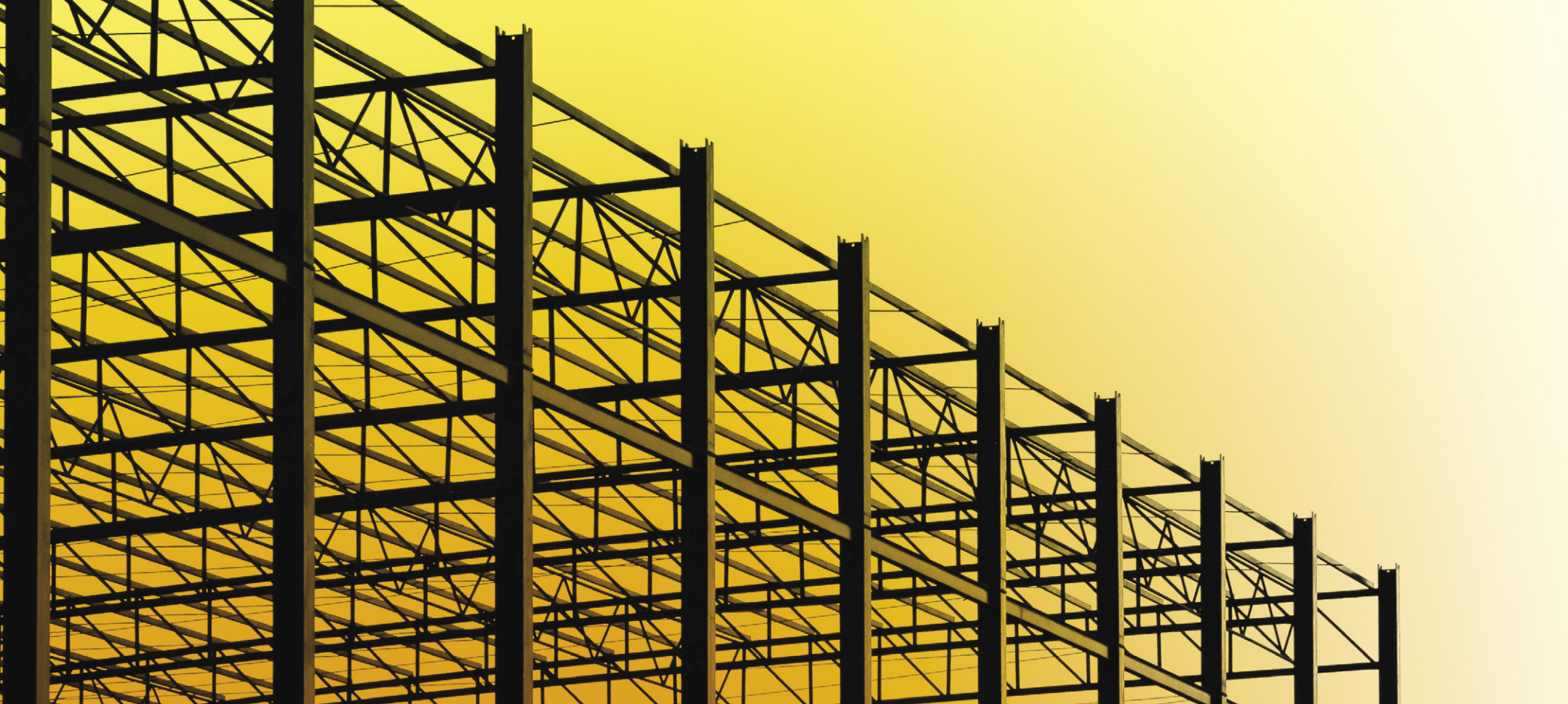
### Professional Protection Made Simple

Hikvision HeatPro Series Cameras feature deep-learning thermal video analytics for all-weather perimeter protection, object temperature measurement, and fire detection with real-time alarms. They are easy to configure, making the cameras ideal for SMB applications in residential, retail, parking, museums, data centers, and other vertical industries.

- ▶ All-weather deterrence and alerts
- ▶ Simple, three-step deployment for perimeter protection
- ▶ Thermal video analytics with deep-learning human & vehicle classification, reducing maintenance overhead
- ▶ Temperature exception alarms for fire prevention
- ▶ Visual and auditory alarms (offered by / PA models)

Model	DS-2TD2628-3/QA	DS-2TD2628-7/QA	DS-2TD1228-3/QA
Image	 	 	 
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
NETD	< 40 mK (@25 °C, F# = 1.1)	< 40 mK (@25 °C, F# = 1.1)	< 40 mK (@25 °C, F# = 1.1)
Pixel Pitch (Thermal)	12 µm	12 µm	12 µm
Resolution (Thermal)	256 × 192	256 × 192	256 × 192
Sensor (Optical)	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution (Optical)	2688 × 1520	2688 × 1520	2688 × 1520
Min. Illumination (Optical)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)	Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)
Lens Thermal:	3.6mm	6.9mm	3.6mm
Optical lens	4.3mm	6.4mm	4.3mm
Field of View (Thermal)	50.0°(H) × 37.3° (V)	24.9°(H) × 18.7° (V)	50.0°(H) × 37.3° (V)
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Frame Rate	25 fps	25 fps	25 fps
Ingress Protection	IP66	IP66	IP66
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω	Linear level, impedance: 600 Ω
Alarm Input	2, alarm input (0-5 VDC)	2, alarm input (0-5 VDC)	1, alarm input (0-5 VDC)
Alarm Output	2, alarm input (0-5 VDC)	2, alarm input (0-5 VDC)	1, alarm output (alarm response actions configurable)
Power	12 VDC ± 25%	12 VDC ± 25%	12 VDC ± 25%
PoE	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, Max. 6.5 W	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, Max. 6.5 W	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, Max. 6.5 W
Environmental Requirement	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 95% or less
VCA	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting	Line Crossing, Intrusion, Region Entrance, Region Exiting
Temperature Measuring Range	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)	-20 °C to +150 °C (-4 °F to +302 °F)
Temperature Accuracy	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)	± 8 °C (± 14.4 °F)







# SPECIAL SERIES NETWORK CAMERAS


Fits Anywhere, Monitors Everything

- ▶ Covert design
- ▶ Various lens options
- ▶ Deep learning face capture or ANPR (optional)
- ▶ Dual channels on one camera
- ▶ Standalone security site with solar panels and 4G connectivity

**Special Series**

Model	DS-2CD642561-10	DS-2CD642561-20
Image		
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264
Min. Illumination	Color: 0.014 Lux @(F2.0, AGC ON) B/W: 0.0003 Lux @(F2.0, AGC ON)	Color: 0.014 Lux @(F2.0, AGC ON) B/W: 0.0003 Lux @(F2.0, AGC ON)
WDR	120 dB	120 dB
Lens	3.7 mm	2.8 or 3.7 mm
FOV	3.7mm:horizontal FOV 71°	2.8mm:horizontal FOV 88.2° 3.7mm:horizontal FOV 71°
Max. IR Range	-	-
VCA	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Frame Rate	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)
Multi-Streaming	3	3
Protection Level	-	-
Angle Adjustment	-	-
Operating Temperature	-10 °C to +40 °C (14 °F to +104 °F)	-10 °C to +40 °C (14 °F to +104 °F)
Operating Humidity	5%- 95%	5%- 95%
Local Storage	128 GB	128 GB
Audio I/O	1 in, 1 out	1 in, 1 out
Alarm I/O	1 in, 1 out	1 in, 1 out
Installation	Indoor	Indoor
Power Supply	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)	12 VDC ± 20%, two-core terminal block, PoE: (802.3af, class 2)

**4G Solar**

Model	DS-2XS6A8761-L/C32S80(2.8mm)
Image	
Image Sensor	1/1.2" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
WDR	120 dB
Lens	2.8, 4mm
FOV	2.8 mm, horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124° 4 mm, horizontal FOV: 88.2°, vertical FOV: 48.7°, diagonal FOV: 101.8°
Supplement Light Type	White Light, Up to 30 m
VCA	Line crossing detection, Intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, The smart events are only supported under full power mode.
Frame Rate	50 Hz: 12.5 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720)
Protection Level	IP67
Operating Temperature	Charging: -20 °C to 55 °C (-4 °F to 131 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
Operating Humidity	≤ 95%
Local Storage	Built-in 64 GB memory, 256 GB SD Card (optional)
Audio I/O	-
Alarm I/O	-
Installation	Outdoor
Power Supply	12 VDC ± 20%



# CORE SOLUTION PRODUCTS

Q2 2022

Q2 2022 Guide

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