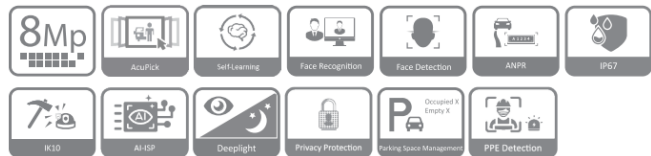


KM-ED8925ASTMN

8MP IR Vari-focal Intelligent Bullet Network Camera



- Resolution 8 MP (3840 × 2160)@50/60 fps, 1/1.8" SONY STARVIS™ image sensor
- Lens type: Motorized lens, 2.7 to 13.5 mm (7mm to 35mm optional), Additional IR range: 2.7 to 13.5 mm: up to 60 m; 7 to 35 mm: up to 120 m
- Smart IR: supported
- IR wavelength: 850 nm
- Open source: 8GB ROM, 4GB RAM
- Video bitrate: 32 Kbps to 16 Mbps, H.264, H.265 type
- CBR,VBR bitrate control
- NAS storage (NFS, SMB/CIFS), Automatic network replenishment (ANR)
- WDR anti-backlight technology: 150 dB
- Image enhancement: BLC,HLC,3D DNR,Defog,SNR ≥ 56 dB
- Privacy masking feature: 4 programmable polygonal privacy masking features
- Ethernet port: 1 RJ45 10/100/1000 M self-adaptive Ethernet port; Alarm: 3 in, 2 out; audio: 1 in, 1 out; RS-485, BNC
- On-Board storage: Built-in memory card slot, support microSD/microSDHC/microSDXC memory card, up to 1TB, FTP; SFTP; NAS
- IP67, IK10 standard
- Power output 12 VDC/24 VAC/PoE+/ePoE
- Coaxial power plug 13 W, 0 5.5 mm, reverse polarity protection
- PoE: IEEE 802.3at, Class 4, max. max. 10.6 W
- Housing material: Aluminum alloy body
- Storage conditions -40°C to 85°C. Humidity 95% or less (non-condensing)
- Starting and operating conditions -40°C to 85°C. Humidity 95% or less (non-condensing) lightning protection 6.5kV



Camera	
Image Sensor	1/1.8" " SONY STARVIS™
Max. Resolution	3840 (H) × 2160 (V)
ROM	8 GB
RAM	4 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.0006 lux@F1.2 (Color, 30 IRE) 0.0003 lux@F1.2 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56dB
Illumination Distance	Up to 60 m (196.85 ft) (IR LED)
Illuminator On/Off Control	Auto
Illuminator Number	4 (IR LED)
Angle Adjustment	Pan: 0°-360° Tilt: 0°-90° Rotation: 0°-360°
Lens	
Lens Type	Motorized vari-focal
Lens Mount	φ16
Focal Length	2.7 mm-12 mm
Max. Aperture	F1.2
Field of View	H: 105°-48° V: 55°-27° D: 124°-55°
Iris Control	Auto
Iris Control Type	P-Iris
Close Focus Distance	1.8 m (5.91 ft)

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	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	87.6 m	35 m	17.5 m	8.8 m
	T	186.6 m	74.6 m	37.3 m	18.7 m
Intelligence					
EPTZ	Yes				
IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection, privacy protection; abandoned object; missing object				
Face Detection	Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expressions; face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting; privacy protection				
Face Recognition	<p>There are two modes: General mode and counting mode.</p> <p>General mode: Face detection; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expressions; face snapshot set as face or one inch photo; snapshot strategies (recognition priority and optimization snapshot); face angle filter; optimization time setting, privacy protection. Supports adding 5 group face databases; registering person one by one or in batches; setting face similarity; and supports face comparison with the face database containing up to 200,000 face pictures.</p> <p>Counting mode: Offers advanced customer counter, filters out specified faces from the face database, and exports reports both before and after removing duplicate faces.</p>				
PPE Detection	Triggers alarms when the detected object matches or does not match all of the configured attributes (helmets, hats, uniforms, masks, gloves, shoe covers, shoes, safety vests, seatbelts); privacy protection				
People Counting	Tripwire people counting, generating and exporting report (day/week/month/year); people counting in area and queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwire people counting, people counting in area and queue management; privacy protection				
Heat Map	Yes				
ANPR	<p>ANPR: ANPR, track, priority, snapshot.</p> <p>Vehicle attributes: License plate, vehicle type, vehicle color.</p> <p>Other attributes: Seat belt, smoking, calling.</p> <p>Support up to 10,000 blacklist records and 10,000 allowlist records. The camera can recognize plate numbers of vehicles moving at speeds of up to 60km/h.</p>				
Parking Space Management	Parking Space Management: Manage outdoor and planned parking lots; manage parking spaces in multiple areas; display the total number of parking spaces and parking spaces that are available; trigger alarms based on a predefined number of vehicles.				
Video Metadata	<p>Motor vehicle, non-motor vehicle, face, and human body detection; snapshot; snapshot optimization; optimal face snapshot upload.</p> <p>Motor vehicle attributes: License plate, vehicle type, vehicle color, vehicle logo, seatbelt, smoking, and calling.</p> <p>Generates flow statistics for people, motor vehicles and non-motor vehicles based on the direction, and exports reports.</p> <p>Non-motor vehicle attributes: Type, vehicle color, number of people, top type and color, and hat.</p> <p>Human body attributes: Top and bottom type and color, bag, hat, gender and umbrella.</p> <p>privacy protection.</p>				
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				
Video					
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	<p>Default:</p> <p>Main Stream: 3840 × 2160@(1–25/30 fps)</p> <p>Sub stream: 1920×1080@(1–25/30 fps)</p> <p>Third stream: 1920 × 1080@(1–25/30 fps)</p> <p>Fourth stream: 1920 × 1080@(1–25/30 fps)</p> <p>Fifth stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)</p> <p>High Frame Rate:</p> <p>Main Stream: 3840 × 2160@(1–50/60 fps)</p> <p>Sub stream: 1920×1080@(1–25/30 fps)</p>				
Stream Capability	5 streams				
Resolution	8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728); 5M (2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32 kbps–16384 kbps H.265: 12 kbps–12800 kbps				
Day/Night	Auto(ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	Yes				
Scene Self-adaptation (SSA)	Yes				

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White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
LDC	Yes
Audio	
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; parking space management; scene changing; audio detection; defocus detection; external alarm; face detection; face recognition; video metadata; ANPR; people counting in area; stay alarm; people counting; people number error detection; people stay detection; security exception; PPE detection
Network	
Network Port	RJ-45 (10/100/1000 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
User/Host	20 (Total bandwidth: 340 M)
Storage	FTP; SFTP; Micro SD card (support max. 1 TB); NAS
Browser	IE: IE11 and later Chrome: Chrome 88.0.4324.190 and later Firefox: Firefox 47.0.2 and later
Mobile Client	iOS; Android
Cyber Security	Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification
Port	
RS-485	1 (baud rate range: 1200 bps–115200 bps)
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	3 channels in: wet contact, 5 mA 3–5 VDC
Alarm Output	2 channels out: dry contact, 1,000 mA 30 VDC/500 mA 50 VAC
Analog Output	1 channel (CVBS output: BNC)
Power Output	12 VDC power output, max. current 165 mA, peak current 700 mA
Power	
Power Supply	12 VDC/24 VAC/PoE+ (802.3at)/ePoE
Power Consumption	Basic: 7.3 W (12 VDC); 10.2 W (24 VAC); 10.6 W (PoE) Max. (ICR switch + IR intensity): 18.2 W (12 VDC); 24.2 W (24 VAC); 24.3 W (PoE) Heating: 3 W (12 VDC); 4.6 W (24 VAC); 5.47 W (PoE)
Environment	
Operating Temperature	–40 °C to +65 °C (–40 °F to +149 °F)
Operating Humidity	≤95%
Storage Temperature	–40 °C to +65 °C (–40 °F to +149 °F)
Storage Humidity	10–95%
Protection	IP67; IK10

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Structure	
Casing Material	Metal + plastic
Product Dimensions	345.6 mm × 134.2 mm × 135.1 mm (13.61" × 5.28" × 5.32") (L × W × H)
Net Weight	1.65 kg (3.64 lb)
Gross Weight	2.73 kg (6.02 lb)

