INSDO8180IRF

4x2MP (8MP) H265 Network Multi-Lens IR Panoramic Dome W/IR W/SD Slot

LiteAI
Edge Analytics

- Four 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS

- Outputs max. 8MP (4096 × 1800) at 30 fps

- H.265+ & H.264+ flexible coding

- Built-in IR LED, max IR distance: 30 m

- Intelligent detection: Vehicle Analytics, Intrusion, tripwire

- Micro SD card up to 256 GB

Unify your Security Solution
Starlight Technology Improve your levels of security by using our Starlight technology. With its optical features, Starlight Technology will be able to balance all lighting throughout a scene. This will capture any colored details regardless of the lighting.

Smart H.265+ & H.264+
STORM smart encoding technology can provide high-quality video with higher efficiency and can also reduce the cost of storage space and transmission adopting an advanced algorithm of auto stream control.

On-board Analytics
This camera responds accurately to specific events in a given area. Our algorithm enables Tripwire violations, intrusion detection, abandoned/missing objects and much more. Facilitate your viewing experience using on the edge analytics – one product, multiple features.

ARKIV

Ostorm+

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Camera	
Image Sensor	Four 1/2.8" 2Megapixel progressive CMOS
Effective Pixels	4096 (H) × 1800 (V)
RAM/ROM	2GB / 4GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Minimum Illumination	0.005 Lux at F1.6 (Color, 30IRE); 0.0005 Lux at F1.6 (B/W, 30IRE) 0 Lux (Illuminator on)
S/N Ratio	More than 56 dB
IR Distance	30 m (98.4 ft)
IR LEDs	6

Camera Features	
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR
White Balance	Auto / Natural / street lamp / Outdoor / Manual / Regional Custom
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Smart Illumination	Supported
Region of Interest	Yes (4 areas)
Privacy Masking	4 areas

Lens				
Lens Type	Fixed Lens			
Mount Type	M12			
Focal Length	2.8 mm			
Max. Aperture	F1.6			
Viewing Angle	Horizontal: 180.0° Vertical: 90.0°			
DORI Distance	Detect	Observe	Recognize	Identify
	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7m (25.3 ft)	3.9 m (12.8 ft)

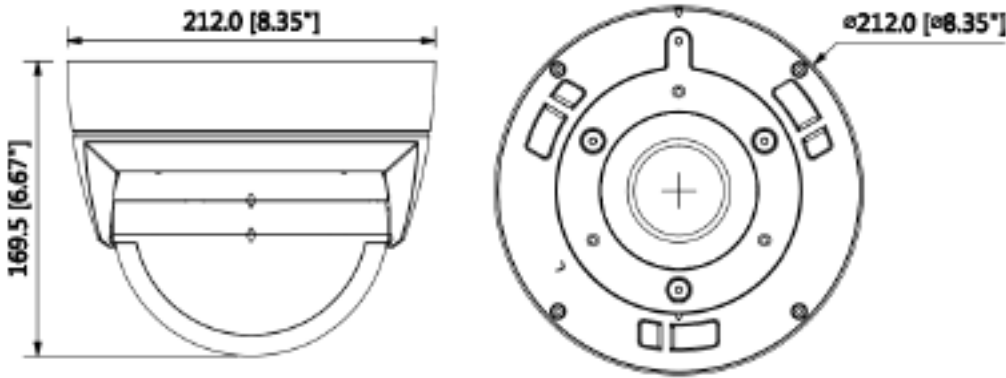| Video		
Compression	H.265+, H.264+, H.265, H.264, MJPEG (only supported by the sub stream)	
Resolution	4096 × 1800; 3840 × 1680; 2880 × 1264; 1024 × 452; 1920 × 832; 1280 × 560	
Frame Rate	Main Stream: 4096 × 1800 (1–25/30 fps)	
	Sub stream: 1024 × 452 (1–25/30 fps)	Third stream: 1920 × 832 (1–25/30 fps)
Bit Rate	H.264: 9 kbps–17664 kbps H.265: 9 kbps–17664 kbps	

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Product Specifications

Lite AI	
Vehicle Analytics	Vehicle density; Parking space limit; Congestion alarm
People Counting	Crowd map; Global people counting; People counting in area
Smart Features	Intrusion, Tripwire
Audio	
Audio Compression	G.711A; G.711Mu; G.726; G.723
Audio I/O	1/1 RCA ports
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; intensity change; voltage detection; external alarm; safety exception; crowd distribution map; vehicle congestion; parking upper limit
Alarm I/O	2 channel in: 5mA 3V–5 VDC 2 channels out: 1,000mA 30 VDC/500mA 50 VDC
Network	
Network	RJ-45 (10/100/1000 Base-T)
SDK AND API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Storage	NAS; SFTP; FTP; Micro SD Card up to 256 GB
Management Software	STORM, STORM+, ARKIV
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP; Bonjour
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Maximum User Access	20
General	
RS-485	1 (baud rate range: 1200 bps–115200 bps)
Power Supply	12V DC/24V AC/PoE(802.3at)
Power Consumption	Basic power consumption: 4.9W (12V DC); 6.4W(24V AC); 6.5W (PoE) Max. power consumption (ICR + IR LED): 12.5W (12V DC);14.3W(24V AC); 14.9W (PoE)
Working Environment	–40 °C to +60 °C (–40 °F to +140 °F); Less than 95% RH
Protection Grade	IP67; IK10
Dimensions	169.5 mm × Φ212 mm (6.7" × Φ8.3")
Weight	8 lbs (3.65 kg)

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169.5 [6.67"]

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Ceiling Mount	Junction Mount
INSX111 + INSX300	INSX111 + INSX303 + INSX120

Power Box Mount	Pole Mount
INSX111 + INSX303 + INSX140	INSX111 + INSX303 + INSX150

Corner Mount	Parapet Mount
INSX111 + INSX303+ INSX151	INSX111 + INSXPARA

INSX303 Wall Mount

INSX120 Junction Box

INSX111 Mount Adapter (Included)

INSX150 Pole Mount

INSX140 Junction Box
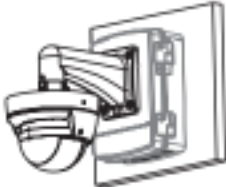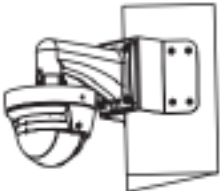
INSX151 Corner Mount

INSX300 Ceiling Mount

INSXPARA Parapet Mont

VUSD256G Micro SD Card

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