INSTO4IRWF

4.1MP Lite AI IR Fixed TURRET WDR 120DB Camera

LiteAI
Edge Analytics

- 4MP, 1/3" CMOS image sensor, low illuminance

- Outputs max. 4MP (2688 × 1520) at 30 fps

- H.265 codec, high compression rate, ultra-low bit rate

- Built-in IR LED, max IR distance: 50 m

- Intelligent detection: Intrusion, tripwire (support the classification and

  accurate detection of vehicle and human)

Unify your Security Solution
This new function was made to improve drastically your surveillance system efficiency and reduce your false alarms count. Area Protector allows you to custom your tripwires based on a specific object such as pedestrians or vehicles. Combined with real-time alerts on your monitoring device, this function will be key for any zone surveillance.

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.

*Design and specifications are subjects to change without notice.

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Camera	
Image Sensor	1/3" 4Megapixel progressive CMOS
Effective Pixels	2688 (H) ×1520 (V)
RAM/ROM	512MB/128MB
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	50 m (164.0 ft)
IR LEDs	2

Camera Features	
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR 120dB
White Balance	Auto / natural / street lamp / outdoor / manual / regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest	Yes (4 areas)
Smart Illumination	Yes
Privacy Masking	4 Areas

Lens				
Lens Type	Fixed-focal			
Mount Type	M12			
Focal Length	2.8 mm			
Max. Aperture	F1.6			
Viewing Angle	Horizontal: 103° Vertical: 55° Diagonal: 122°			
Pan/Tilt/Rotation	Pan: 0°–360°; Tilt: 0°–78°; Rotation: 0°–360°			

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.8 ft)	5.6 m (18.4 ft)

Video		
Compression	H.265+; H.264+; MJPEG (only supported on the sub stream)	
Resolution	4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
Frame Rate	Main Stream: 2688 × 1520 at 1 to 25/30 fps	
	Sub stream: 704 × 576 (1 fps to 25 fps) 704 × 480 (1 fps to 30 fps)	Third stream: 1280 × 720 at 1 to 25/30 fps
Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps	

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INST04IRWF

4.1MP Lite AI IR Fixed TURRET WDR 120DB Camera

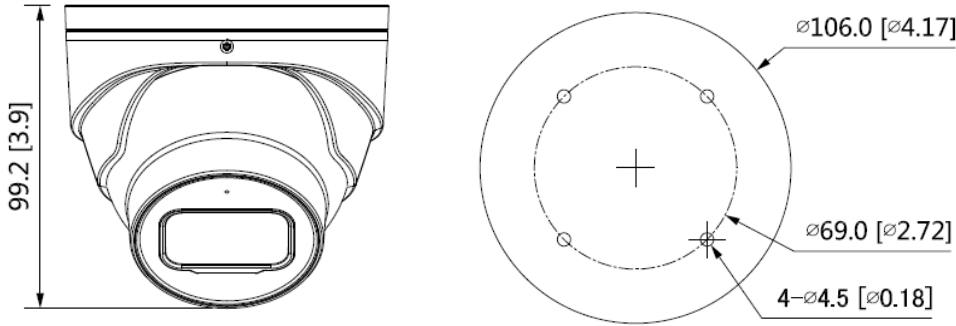| Lite AI	
Area Protector	Tripwire; intrusion (Recognition of human and vehicle)
Intelligent Search	Work together with the STORM Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Alarm	
Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection;scene changing; intensity change; tripwire; intrusion; Smart Motion Detection
Audio	
Built-in Microphone	Yes
Audio Compression	G.711a; G.711Mu; G726
Network	
Ethernet	RJ-45 (10/100 Base-T)
SDK & 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	FTP; SFTP; NAS; Micro SD Card up to 256 GB
Management Software	STORM, STORM+, ARKIV
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
Compatibility	CGI; P2P; Milestone; Genetec
Maximum User Access	20
Smart Phone	iOS, Android
General	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Less than 7.7W
Working Environment	-50°C to +60°C (-58°F to +140°F); Less than 95% RH
Protection	IP67
Dimensions	99.1 mm × Φ121.9 mm (3.9" × Φ4.8")
Weight	1.45 lbs (0.66 kg)

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99.2 [3.9]

∅106.0 [∅4.17]
∅69.0 [∅2.72]
4−∅4.5 [∅0.18]

INSX130 Junction Box

Junction Mount	Corner Mount
INSX130	INSX204 + INSX151
Wall Mount	**Ceiling Mount**
INSX204	INSX220C + INSX106
Ceiling Mount	**Pole Mount**
	INSX204 + INSX152

INSX204 Wall Mount

INSX151 Corner Mount

INSX152 Pole Mount

VUSD256G Micro SD Card

INSX220C Ceilling Mount

INSX106 Mount Adapter

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