

# INSTO4IRF

## 4MP Entry IR Fixed Turret Network Camera

- 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: 30 m
- Abnormality detection includes motion detection, video tampering, network disconnection, IP conflict, and illegal access

### 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.

# LiteAI

Edge Analytics



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## Product Specifications

Camera					
Image Sensor	1/3" 4Megapixel progressive CMOS				
Effective Pixels	2688 (H) ×1520 (V)				
RAM/ROM	16MB/64MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				
Minimum Illumination	0.03 Lux at F2.0 (Color, 30IRE); 0.003 Lux at F2.0 (B/W, 30IRE) 0 Lux (Illuminator on)				
S/N Ratio	More than 56 dB				
IR Distance	30 m (98.43 ft)				
IR LEDs	1				
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				
Motion Detection	OFF/ON (4 areas, rectangular)				
Region of Interest	Yes (4 areas)				
Image Rotation	0°/180° (0° by default)				
Smart Illumination	Yes				
Privacy Masking	4 Areas				
Mirror	Yes				
Lens					
Lens Type	Fixed-floca				
Mount Type	M12				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Viewing Angle	Horizontal: 90°; Vertical: 50°; Diagonal: 107°				
Pan/Tilt/Rotation	Pan: 0°–355°; Tilt: 0°–78°; Rotation: 0°–355°				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	68.0 m (223.1 ft)	27.2 m (89.2 ft)	13.6 m (44.6 ft)	6.8 m (22.3 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)				
Bit Rate	H.264: 32 Kbps–4096 Kbps				
	H.265: 12 Kbps–4096 Kbps				

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Certifications	
Certifications	CE-LVD: EN 62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B
Alarm	
Alarm Event	IP conflict; illegal access; motion detection; video tampering; security exception; network disconnection
Security	
Cyber Security	Digest; Security logs; HTTPS; Trusted upgrade; WSSE; Trusted boot; Account lockout; Generation and importing of X.509 certification; Video encryption; Configuration encryption; Trusted execution
Network	
Ethernet	RJ-45 (10/100 Base-T)
SDK & API	Yes
Storage	FTP
Management Software	STORM, STORM+, ARKIV
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast
Compatibility	ONVIF (Profile S/Profile T); CGI; P2P
Maximum User Access	6
Smart Phone	iOS, Android
Browser	Chrome; Firefox; Internet Explorer
General	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Less than 4.7W
Working Environment	-40°C to +60°C (-40°F to +140°F); Less than 95% RH
Protection	IP67
Material	Metal
Dimensions	85.6 mm × Ø94.0 mm (3.37" × Ø3.70")
Weight	0.71 lbs (0.32 kg)

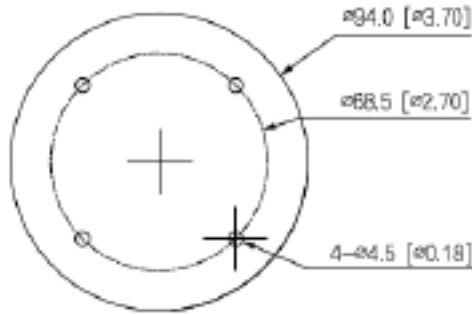
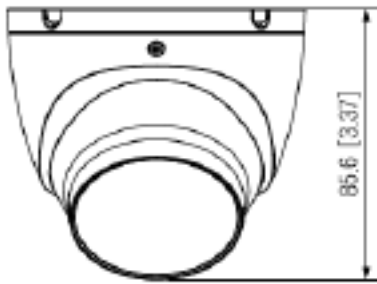
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## Product Specifications



**INSX13AE**  
Junction Box



**INSX205W**  
Wall Mount





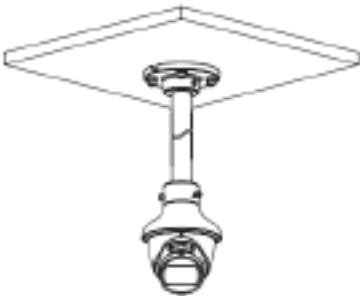

**INSX152**  
Pole Mount



**INSX220C**  
Ceiling Mount



**INSX106**  
Mount Adapter

Junction Mount	Wall Mount
<b>INSX13AE</b>	<b>INSX205W</b>
	
Ceiling Mount	Pole Mount
<b>INSX220C + INSX106</b>	<b>INSX205W + INSX152</b>
	

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