

# INSTO4NCF

## 4MP WDR Turret ChromaView 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 warm light with a maximum illumination distance of 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

ChromaView



\*Design and specifications are subjects to change without notice.



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## Product Specifications

| Camera                   |   |                      |                     |                     |                    |
|--------------------------|---|----------------------|---------------------|---------------------|--------------------|
| Image Sensor             | 1/3" 4Megapixel progressive CMOS  |                      |                     |                     |                    |
| Effective Pixels         | 2688 (H) ×1520 (V)  |                      |                     |                     |                    |
| RAM/ROM                  | 128MB/16MB  |                      |                     |                     |                    |
| Scanning System          | Progressive   |                      |                     |                     |                    |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s   |                      |                     |                     |                    |
| Minimum Illumination     | 0.004 Lux at F1.0   |                      |                     |                     |                    |
| S/N Ratio                | More than 56 dB   |                      |                     |                     |                    |
| Illumination Distance    | 30 m (98.43 ft)   |                      |                     |                     |                    |
| Illumination LEDs        | 1 (warm light)  |                      |                     |                     |                    |
| Camera Features          |   |                      |                     |                     |                    |
| Day/Night                | Color / B/W   |                      |                     |                     |                    |
| Backlight Compensation   | BLC / HLC / WDR (120 dB)  |                      |                     |                     |                    |
| 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°/90°/180°/270° (Support 90°/270° with 2560 × 1440 resolution and lower)   |                      |                     |                     |                    |
| Smart Illumination       | Yes   |                      |                     |                     |                    |
| Privacy Masking          | 4 Areas   |                      |                     |                     |                    |
| Mirror                   | Yes   |                      |                     |                     |                    |
| Lens                     |   |                      |                     |                     |                    |
| Lens Type                | Fixed-floal   |                      |                     |                     |                    |
| Mount Type               | M12   |                      |                     |                     |                    |
| Focal Length             | 2.8 mm  |                      |                     |                     |                    |
| Max. Aperture            | F1.0  |                      |                     |                     |                    |
| Viewing Angle            | Horizontal: 97°; Vertical: 54°; Diagonal: 115°  |                      |                     |                     |                    |
| Pan/Tilt/Rotation        | Pan: 0°–360°; Tilt: 0°–78°; Rotation: 0°–360°   |                      |                     |                     |                    |
| DORI Distance            | Lens  | Detect               | Observe             | Recognize           | Identify           |
|                          | 2.8   | 66.0 m<br>(216.5 ft) | 26.4 m<br>(86.6 ft) | 13.2 m<br>(43.3 ft) | 6.6 m<br>(21.7 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–6144 Kbps  |                      |                     |                     |                    |
|                          | H.265: 12 Kbps–6144 Kbps  |                      |                     |                     |                    |

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|                     |   |
|---------------------|---|
| Audio               |   |
| Built-in Microphone | Yes   |
| Audio               | G.711a; G.711Mu; G.726; PCM   |
| 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; audio exception  |
| Security            |   |
| Cyber Security      | 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; 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; ICMP; IGMP  |
| Compatibility       | ONVIF (Profile S/Profile T); CGI; P2P   |
| Maximum User Access | 6   |
| Smart Phone         | iOS, Android  |
| Browser             | Chrome; Firefox; IE   |
| General             |   |
| Power Supply        | 12V DC/PoE (802.3af)  |
| Power Consumption   | Less than 5.4W  |
| 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              | 0.73 lbs (0.33 kg)  |

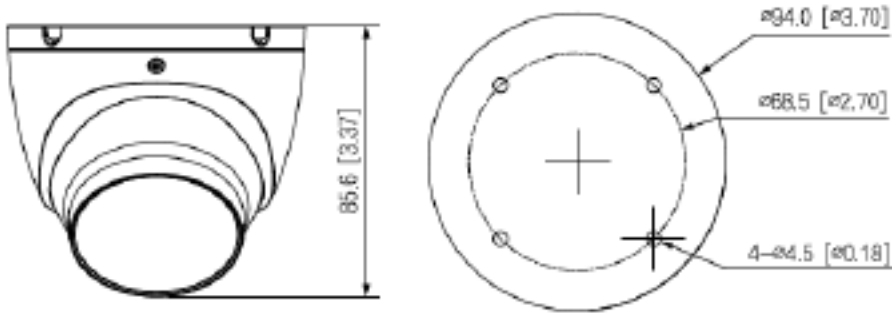
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# INSTO4NCF

4MP WDR Turret ChromaView  
Network Camera

## Product Specifications



**INSX13AE  
Junction Box**



**INSX205W  
Wall Mount**





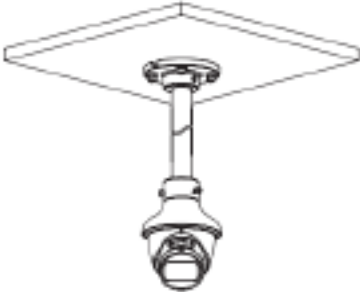

**INSX152  
Pole Mount**



**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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