# INSBO4KIRF

## 8MP IR Fixed-focal Bullet Network Camera

- 8MP 1/2.7" CMOS image sensor, HD image
- WDR (120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 30 m (98.43 ft)
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, audio detection

**Unify your Security Solution**
This camera offers vivid imaging in any scenario. Using industry-leading WDR technology, you'll be able to capture the subject in the most difficult lighting conditions.

**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.

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**Product Specifications**

| | | | | | |
|---|---|---|---|---|---|
| **Camera** | | | | | |
| Image Sensor | 1/2.7" 8 Megapixel progressive CMOS | | | | |
| Effective Pixels | 3840(H) x 2160(V) | | | | |
| RAM/ROM | 256MB/128MB | | | | |
| Scanning System | Progressive | | | | |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s | | | | |
| Minimum Illumination | 0.009 Lux at F2.0 (Color, 30 IRE)<br>0.0009 Lux at F2.0 (B/W, 30 IRE)<br>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 / 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 | Supported | | | | |
| Mirror | Yes | | | | |
| Privacy Masking | 4 Areas | | | | |
| **Lens** | | | | | |
| Lens Type | Fixed Lens | | | | |
| Mount Type | Board-in | | | | |
| Focal Length | 2.8mm | | | | |
| Max. Aperture | F2.0 | | | | |
| Close Focus Distance | 1.3 m (4.27 ft) | | | | |
| Viewing Angle | Horizontal: 106.0°<br>Vertical: 56.0°<br>Diagonal: 125.0° | | | | |
| Pan/Tilt/Rotation | Pan: 0°–360°; Tilt: 0°–90°; D: 0°–360° | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | 2.8mm | 88.0 m (288.71 ft) | 35.2 m (115.49 ft) | 17.6 m (57.74 ft) | 8.8 m (28.87 ft) |
| **Video** | | | | | |
| Compression | H.265+; H.264+; H.265; H.264; MJPEG | | | | |
| Resolution | 4K (3840×2160) / 6M (3072×2048) / 5M (2560×1920) / 3M (2048x1536) / 3M (2304×1296) / 1080P (1920×1080) / 1.3M (1280x960) / 720P (1280×720) / D1 (704×576/704×480) / VGA (640×480) / CIF (352×288/352×240) | | | | |
| Frame Rate | Main Stream: 3840 × 2160 (1 fps to 25/30 fps);<br>2688 × 1520 (1 fps to 25/30 fps) | | | | |
| | Sub stream: 704 × 576 at (1 fps to 25 fps);<br>704 × 480 at (1 fps to 30 fps) | | | | |
| Bit Rate | H.264: 32Kbps - 8192Kbps<br>H.265: 16Kbps - 8192Kbps | | | | |

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## 8MP IR Fixed-focal Bullet Network Camera

**Product Specifications**

| | |
|---|---|
| **Intelligent Functions** | |
| Event Trigger | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos |
| Smart Functions | Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) |
| **Network** | |
| Ethernet | RJ-45 (10/100 Base-T) |
| Storage | FTP; SFTP; Micro SD card (support max. 256 GB); NAS |
| SDK and API | Yes |
| 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; Boujour |
| 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 |
| Compatibility | ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone |
| Video Management Software | STORM; STORM+; ARKIV |
| Maximum User Access | 20 |
| Smart Phone | iOS, Android |
| **Certification** | |
| Certifications | CE-LVD: EN62368-1;<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU;<br>FCC: 47 CFR FCC Part 15, Subpart B;<br>UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07 |
| **General** | |
| Power Supply | 12 VDC/PoE (802.3af) |
| Power Consumption | Basic: 2.7 W (12 VDC); 3.4 W (PoE)<br>Max. (H.265 + max. resolution + max. stream + WDR + IR intensity + AI): 4.5 W (12 VDC); 5.4 W (PoE) |
| Working Environment | -40°C to +60°C (-40°F to +140°F); Less than 95% RH |
| Protection | IP67 |
| Dimensions | 166.2 mm × 70 mm × 70 mm (6.54" × 2.76" × 2.76") |
| Weight | 1.06 lbs (0.48kg) |

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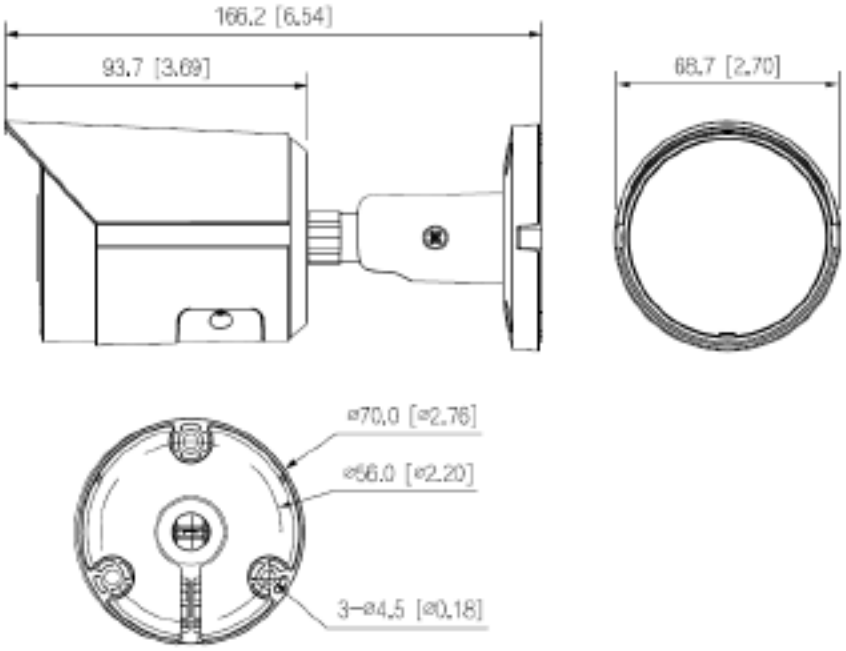
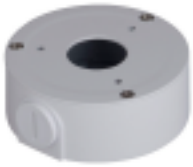
# INSBO4KIRF

## 8MP IR Fixed-focal Bullet Network Camera

## Product Specifications



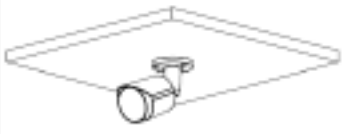
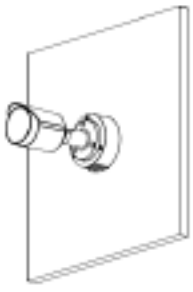
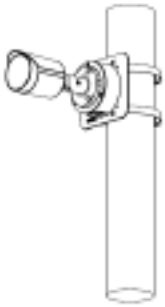



**INSX134**
**Junction Box**

**INSX130**
**Junction Box**

**INSX152**
**Pole Mount**

**VUSD256G**
**Micro SD Card**

| Ceiling Mount | Junction Mount | Pole Mount(Vertical) |
|---|---|---|
|  |  |  |

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