# IPEL-B80F-IRW2

8MP Starlight Bullet Network Camera





# System Overview

Capture your surveillance footage in stunning 4K resolution with IC Realtime's Elite line of 4K cameras!. New in the Elite lineup, the IPEL-B80F-IRW2 boasts an impressive 8MP, 1/2.8" low illuminance, high image definition CMOS image sensor supporting up to 4K ( $3840 \times 2160$ ) @30 fps. The camera excels in low light environments with Starlight support and a max IR distance of 98 feet. It is also features a built-in microphone and is IP67 rated for outdoor use as well as 256GB Micro SD storage support.

This camera is also equipped with a suite of AI features including Intelligent Motion Detect (iMD) and Perimeter Protection. This technology utilizes a deep learning algorithm that recognizes people and vehicles, which drastically reduces false positives, enabling a more optimized search function.

# **Functions**

### **Starlight Technology**

Featuring Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (0.007 lux).

#### **Perimeter Protection**

IC Realtime's Perimeter Protection features significantly improve detection accuracy. The benefits of Perimeter Protection include up to a 90% reduction in false alarms. Other advantages include a decrease in pixel count requirement for object detection, which translates into more efficiency with less strain on the system. Perimeter Protection options let you customize tripwires based on the object type and allow intelligent automation within a limited area of access such as pedestrian or vehicle-only zones. The combination of advanced Al analytics and real-time alerts maximizes efficiency & balance of the total systems capacity and resources resulting in greater surveillance system efficiency.

- 8MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- H.265 & H.264 triple-steam encoding
- Outputs max. 8MP (3840 × 2160) @20 fps (Al function enabled by default) and supports 8MP (3840 × 2160) @25/30 fps when Al function is disabled
- Intelligent Motion Detect and Perimeter Protection
- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC,
- Starlight support, Max. IR LEDs Length 98 ft
- 256GB Micro SD memory, Built-in Mic, IP67, PoE

#### iMD (Intelligent Motion Detect)

This is an upgraded version of motion detection currently known as Intelligent Motion Detection (iMD). The upgraded Plus version greatly improves alarm accuracy by pre-loading a deep learning algorithm that recognizes people and vehicles. Motion detection alerts containing a human and/or vehicle intrusion event are now possible with up to 95% accuracy. Eliminate false alarms, save time and keep stress levels low knowing you're protected.

#### Protection (IP67, wide voltage)

Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.Wide voltage: The camera allows  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with unstable voltage.

#### Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

#### Wide Dynamic Range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

# **Technical Specification**

## Camera

| Gamera                   |                                    |
|--------------------------|------------------------------------|
| Image Sensor             | 1/2.8"8 Megapixel progressive CMOS |
| Effective Pixels         | 3840 (H) × 2160 (V)                |
| RAM/ROM                  | 512MB/128MB                        |
| Scanning System          | Progressive                        |
| Electronic Shutter Speed | Auto/Manual 1/3 s-1/100000 s       |
| Minimum Illumination     | 0.007 Lux @F1.4                    |
| S/N Ratio                | > 56 dB                            |
| IR Distance              | 98.4 ft (30 m)                     |
| IR On/Off Control        | Auto / Manual                      |
| IR LEDs                  | 1                                  |
| Lens                     |                                    |
| Lens Type                | Fixed-focal                        |
| Mount Type               | M12                                |
| Focal Length             | 2.8 mm                             |
| Max. Aperture            | F1.5                               |
|                          |                                    |

| Max. Aperture        |       | F1.5                          |         |           |          |
|----------------------|-------|-------------------------------|---------|-----------|----------|
| Angle of View        |       | Horizontal 108°, Vertical 58° |         |           |          |
| Iris Type            |       | Fixed aperture                |         |           |          |
| Close Focus Distance |       | 4.6 ft (1.4 m)                |         |           |          |
| DORI Distance        | Lens  | Detect                        | Observe | Recognize | Identify |
|                      | 2.8mm | 280 ft                        | 112 ft  | 56 ft     | 28 ft    |
|                      |       |                               |         |           |          |

Horizontal: 0°–360°; vertical: 0°–90°; rotation: 0°–360°

### Pan/Tilt/Rotation

Pan/Tilt/Rotation Range

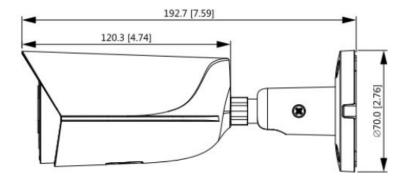
### Intelligence

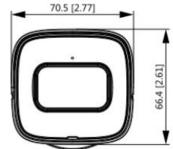
| Perimeter Protection | Tripwire; intrusion (support the classification and accurate detection of vehicle and human)   |
|----------------------|--|
| Intelligent Search   | Works together with AI-enabled NVR to perform refine<br>intelligent search, event extraction and merging to event<br>videos  |
| Video                |  |
| Compression          | H.265; H.264; H.264H; H.264B; MJPEG (sub stream only)  |
| Streaming Capability | 3 Streams  |
| Resolution           | 8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 ×<br>1728/2592 × 1944); 4M (2688 × 1520); 3M (2048 ×<br>1536/2304 × 1296); 1080p (1920 × 1080); 1.3M (1280<br>× 960); 720p (1280 × 720); D1(704 × 576/704 × 480);<br>VGA (640 × 480); CIF (352 × 288/352 × 240) |
| Frame Rate           | Main stream: 3840 $\times$ 2160 @(1–20 fps by default) 3840 $\times$ 2160 @(1–25/30 fps when Al function disabled)   |
|                      | Sub stream: 704 × 576 @(1–25 fps)/<br>704 × 480 @ (1–30 fps)   |
|                      | Third Stream: 1920 × 1080 @(1–25/30 fps)   |
| Bit Rate Control     | CBR/VBR  |
| Bit Rate             | H.264: 3 Kbps–8192 Kbps<br>H.265: 3 Kbps–8192 Kbps   |
| Day/Night            | Auto(ICR) / Color / B/W  |
| BLC Mode             | BLC / HLC / WDR(120dB)   |
| White Balance        | Auto/Natural/Street Lamp/Outdoor/Manual  |
| Gain Control         | Auto / Manual  |
| Noise Reduction      | 3D DNR   |

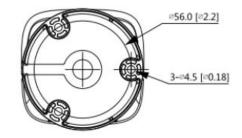
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| NumberCompression6.711a: 6.711Mu: G726NetworkEthernetRI-45 (10/100Base-T)ProtocolDHCP: DNS; DDNS; PPPOE: IP-V4/v6; QoS; UPNP:NTP:<br>DHCP: DNS; DDNS; PPPOE: IP-V4/v6; QoS; UPNP:NTP:<br>Bonjour. B02.1x. Muticast. ICMP: SNMPCyber SecurityVideo encryption: Digest: WSSE: account lockout; security<br>on gest: IPMAC filtering: generation and importing of X.509<br>certification: sysiog. IPTPS; B02.1x. Muticast<br>trusted bod; trusted bod;<br>trusted execution; trusted upgradeInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIStreaming MethodUnicast / MuticastMax. User Access20 (Total bandwidth: 72 M)Edge StorageIccal PC for instant recordingVeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartlCRSS, DSSSmart PhoneIOS, AndroidDetertificationsFCC Part 15, Subpart BItterfaceV/AAudio InterfaceN/AAudio InterfaceInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DC;<br>3.5W (PoE)Power ConsumptionBasic power consumption: WDR +15 Stel 1k. EDPower ConsumptionBasic power consumption: WDR +15 Stel 1k. EDPower Consumption40°F to ±140°F (-40°C to ±60°C)/Less than 95% RHPortuge Conditions-40°F to ±140°F (-40°C to ±60°C)Portuction-40°F to ±140°F (-40°C to ±6   |                      |   |
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| ProtocolHTTP:<br>TCP: APP: RTSP: RTP: UDP: SMTP: FTP:<br>DHCP: DMS: DDMS: PPPOE: IPv4/M6: Os5: UPAP:NTP:<br>Bonjour; 802.1x; Multicast: ICMP: IGMP: SMMPCyber SecurityVideo encryption; Digest: WSSE; account lockout; security<br>logs: IP/MAC filtering; generation and importing of X.509<br>certification; sylogi; HTTPS: 802.1x; trusted boot;<br>trusted execution; trusted upgradeInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIStreaming MethodUnicast / MulticastMax. User Access20 (Total bandwidth: 72 M)Edge StorageLG: Chrome, Firefox, SafariManagement SoftwareSmartlCRSS, DSSSmart PhoneIOS, AndroidCertificationsFCC Part 15, Subpart BInterfaceInput 1 channel in: 5mA 3V-SV DC<br>Output 1 channel in: 5mA 3V-SV DC<br>DCIAudio InterfaceBuilt- in Microphone, 1 channel input/ output (RCA port)Audio InterfaceSacio power consumption: 3W (12V DC): 3.5W (PoE)<br>Max, power consumption: WUR PA: ESS (12V DC)Power SupplyDC12V, PGE (802.3af)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage ConditionsPG7CustructionIP67CustructionIP67CustructionIP67CustructionIP67Storage ConditionsA0°F to +140°F (-L0°C to +60°C)/Less than 95% RHStorage ConditionsA0°F to +140°F (L40°C to +60°C)/Less than 95% RHStorage ConditionsA0°F to +140°F (L40°C to +60°C)/Less than 95% RHStorage ConditionsA0°F to +140°F (-4  | Network              |   |
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| cyber Securityencryption: Digest: WSSE: account lockout; security<br>logs: IPMAC filtering; generation and importing of X.509<br>exritication; sysig: HTTPS; 802.1x; trusted boot;<br>trusted execution; trusted upgradeInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIStreaming MethodUnicast / MulticastMax. User Access20 (Total bandwidth: 72 M)Edge StorageIE, Chrome, Firefox, SafariWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartlCRSS, DSSSmart PhoneIOS, AndroidCertificationsVEC Part 15, Subpart BInterfaceN/AVideo InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceDC12V, PoE (802.3af)Power SupplyPower Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% R  | Protocol             | DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP;   |
| Streaming MethodUnicast / MulticastMax. User Access20 (Total bandwidth: 72 M)Max. User Access20 (Total bandwidth: 72 M)Edge StorageNAS, FTP, SFTP, Micro SD Card (256 GB)<br>Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartCRSS, DSSSmart PhoneIOS, AndroidCertificationsFCC Part 15, Subpart BInterfaceVideo InterfaceN/AAudio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DCPower SupplyPower SupplyDC12V, POE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHIngress ProtectionIP67ConstructionIP67ConstructionSing MetalDimensionsAci" x 2.8" x 2.6" (L x W x H)<br>(192.7 mm x 70.5 mm x 66.4 mm)NetWeight1.3 lb (590 g)  | Cyber Security       | encryption; Digest; WSSE; account lockout; security<br>logs; IP/MAC filtering; generation and importing of X.509<br>certification; syslog; HTTPS; 802.1x; trusted boot; |
| Max. User Access20 (Total bandwidth: 72 M)Max. User Access20 (Total bandwidth: 72 M)Edge StorageNAS, FTP, SFTP, Micro SD Card (256 GB)<br>Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartlCRSS, DSSSmart PhoneIOS, AndroidCertificationsFCC Part 15, Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DCPower SupplyPower SupplyDC12V, POE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max, power consumption: WIDP + H.265 + IR LED<br>intensity!: 5.5W (12V DC); 6.3W (PoE)Poreating Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 140°F (-40°C to + 60°C)/Less than 95% RHStorage Conditions-40°F to + 1  | Interoperability     | ONVIF (Profile S/Profile G/Profile T); CGI  |
| Edge StorageNAS, FTP, SFTP, Micro SD Card (256 GB)<br>Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartlCRSS, DSSSmart PhoneIOS, Android <b>Certifications</b> CC Part 15, Subpart BCertificationsFCC Part 15, Subpart BInterfaceN/AAddition InterfaceN/AAddition InterfaceAddition InterfaceDil2V, POE (802.3af)Power Consumption: 3W (12V DC): 3.5W (PoE)<br>Max, power consumption: 3W (12V DC): 3.5W (PoE)<br>Max, power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC): 6.3W (PoE)Power ConsumptionOperating ConditionsAdoPF to +140°F (-40°C to +60°C)/Less than 95% RHStorage ConditionsAdoPF to +140°F (-40°C to +60°C)/Less than 95% RHStorage ConditionsAdoPF to +140°F (-40°C to +60°C)InterfaceDimensionsMetalConstruction   | Streaming Method     | Unicast / Multicast   |
| Edge StorageLocal PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmartICRSS, DSSSmart PhoneIOS, AndroidCertificationsCertificationsFCC Part 15, Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DCPower SupplyDC12V, POE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67ConstructionIP67CasingMetalDimensions.5" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net WeightJa Ib (590 g)   | Max. User Access     | 20 (Total bandwidth: 72 M)  |
| Management SoftwareSmartICRSS, DSSSmart PhoneIOS, AndroidCertificationsFCC Part 15, Subpart BCertificationsFCC Part 15, Subpart BInterfaceN/AAudio InterfaceMult-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DCPower SupplyDC12V, PoE (802.3af)Power ConsumptionBasic power consumption: W(12V DC); 3.5W (PoE)<br>Max. power consumption: (WDR + H.265 + IR LED<br>Intensity): 5.5W (12V DC); 6.3W (PoE)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-10°FIngress Protection-10°FDimensions.13 b(590 g)   | Edge Storage         |   |
| Smart Phone         IOS, Android           Certifications         FCC Part 15, Subpart B           Certifications         FCC Part 15, Subpart B           Interface         N/A           Audio Interface         Built-in Microphone, 1 channel input/ output (RCA port)           Alarm         Input: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DC           Power Supply         DC12V, PoE (802.3af)           Power Consumption         Basic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC); 6.3W (PoE)           Power Consumption         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Storage Conditions         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Ingress Protection         IP67           Construction         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Ingress Protections         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Ingress Protection         IP67           Construction         -40°F to +140°F (-40°C to +60°C)           Ingress Protection         Metal           Dimensions         Metal           Dimensions         1.509 ()  | Web Viewer           | IE, Chrome, Firefox, Safari   |
| Certifications         FCC Part 15, Subpart B           Certifications         FCC Part 15, Subpart B           Interface         N/A           Audio Interface         Built-in Microphone, 1 channel input/ output (RCA port)           Alarm         Input: 1 channel in: 5mA 3V–5V DC<br>Output: 1 channel out: 300mA 12V DC           Power Supply         DC12V, POE (802.3af)           Power Consumption         Basic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC); 6.3W (POE)           Power Consumption         HA0°F to +140°F (-40°C to +60°C)/Less than 95% RH           Storage Conditions         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Storage Conditions         POF           Construction         POF           Casing         Metal           Dimensions $70° x 2.8" x 2.6" (L x W x H)(192.7 mm x 70.5 mm x 66.4 mm)           NetWeight         1.3 lb (590 g)  $   | Management Software  | SmartICRSS, DSS   |
| CertificationsFCC Part 15, Subpart BCertificationsFCC Part 15, Subpart BInterfaceV/AAudio InterfaceN/AAudio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: SmA 3V–SV DC<br>Output: 1 channel out: 300mA 12V DCFlectricalDC12V, PoE (802.3af)Power SupplyDC12V, PoE (802.3af)Power ConsumptionMax. power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Furienmental-40°F to +140°F (-40°C to +60°C)/Less than 95% RHOperating Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHIngress ProtectionIP67ConstructionXaliCasingMetalDimensionsXies 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight13 lb (590 g)  | Smart Phone          | IOS, Android  |
| Interface         N/A           Audio Interface         Built-in Microphone, 1 channel input/ output (RCA port)           Audio Interface         Input: 1 channel in: 5mA 3V–5V DC<br>Output: 1 channel out: 300mA 12V DC           Alarm         DC12V, PoE (802.3af)           Power Supply         DC12V, PoE (802.3af)           Power Consumption         Max. power consumption: 3W (12V DC): 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC); 6.3W (PoE)           Power Consumption         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Storage Conditions         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Ingress Protection         IP67           Construction         Metal           Dimensions         Xis <sup>2</sup> x <sup>2</sup> x <sup>2</sup> x <sup>2</sup> C <sup>6</sup> (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           NetWeight         Ja lb (590 g)   | Certifications       |   |
| N/AVideo InterfaceN/AAudio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V–5V DC<br>Output: 1 channel out: 300mA 12V DCFlectricalD12V, PoE (802.3af)Power SupplyDC12V, PoE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage ConditionsPof7ConstructionIP67ConstructionSof° × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)  | Certifications       | FCC Part 15, Subpart B  |
| Audio InterfaceBuilt-in Microphone, 1 channel input/ output (RCA port)AlarmInput: 1 channel in: 5mA 3V-5V DC<br>Output: 1 channel out: 300mA 12V DCElectricalDC12V, PoE (802.3af)Power SupplyDC12V, PoE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max, power consumption (WDR + H.265 + IR LED)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Furienmental-40°F to +140°F (-40°C to +60°C)/Less than 95% RHOperating Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67ConstructionXaliCasingMetalDimensions7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)  | Interface            |   |
| AlarmInput: 1 channel in: 5mA 3V–5V DC<br>Output: 1 channel out: 300mA 12V DCElectricalPower SupplyDC12V, PoE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED)<br>intensity): 5.5W (12V DC); 6.3W (PoE)Environmental  | Video Interface      | N/A   |
| AlarmOutput: 1 channel out: 300mA 12V DCElectricalPower SupplyDC12V, PoE (802.3af)Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC); 6.3W (PoE)Power Consumption-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67ConstructionNetalDimensions $5.6" \times 2.8" \times 2.6" (L \times W \times H) (192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)$   | Audio Interface      | Built-in Microphone, 1 channel input/ output (RCA port)   |
| Power SupplyDC12V, PoE (802.3af)Power SupplyBasic power consumption: 3W (12V DC); 3.5W (PoE)Power ConsumptionMax. power consumption (WDR + H.265 + IR LED<br>intensity); 5.5W (12V DC); 6.3W (PoE)Environmental-40°F to +140°F (-40°C to +60°C)/Less than 95% RHOperating Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67ConstructionXCasingMetalDimensions7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)  | Alarm                |   |
| Power SupplyDC12V, PoE (802.3af)Power SupplyBasic power consumption: 3W (12V DC); 3.5W (PoE)Power ConsumptionMax. power consumption (WDR + H.265 + IR LED<br>intensity); 5.5W (12V DC); 6.3W (PoE)Environmental-40°F to +140°F (-40°C to +60°C)/Less than 95% RHOperating Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67ConstructionXCasingMetalDimensions7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)  | Flectrical           |   |
| Power ConsumptionBasic power consumption: 3W (12V DC); 3.5W (PoE)Max. power consumption (WDR + H.265 + IR LED<br>intensity): 5.5W (12V DC); 6.3W (PoE)EnvironmentalOperating Conditions-40°F to +140°F (-40°C to +60°C)/Less than 95% RHStorage Conditions-40°F to +140°F (-40°C to +60°C)Ingress ProtectionIP67Construction-CasingMetalDimensions7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)Net Weight1.3 lb (590 g)   |                      | DC12V, PoE (802.3af)  |
| Operating Conditions         -40°F to +140°F (-40°C to +60°C)/Less than 95% RH           Storage Conditions         -40°F to +140°F (-40°C to +60°C)           Ingress Protection         IP67           Construction           Casing         Metal           Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)   |                      | Basic power consumption: 3W (12V DC); 3.5W (PoE)<br>Max. power consumption (WDR + H.265 + IR LED  |
| Storage Conditions         -40°F to +140°F (-40°C to +60°C)           Ingress Protection         IP67           Construction         Metal           Casing         Metal           Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)  | Environmental        |   |
| Ingress Protection         IP67           Construction         Metal           Casing         Metal           Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)  | Operating Conditions | –40°F to +140°F (–40°C to +60°C)/Less than 95% RH   |
| Construction         Metal           Casing         Metal           Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)  | Storage Conditions   | -40°F to +140°F (-40°C to +60°C)  |
| Casing         Metal           Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)   | Ingress Protection   | IP67  |
| Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)  | Construction         |   |
| Dimensions         7.6" × 2.8" × 2.6" (L × W × H)<br>(192.7 mm × 70.5 mm × 66.4 mm)           Net Weight         1.3 lb (590 g)  | Casing               | Metal   |
| Net Weight 1.3 lb (590 g)  | -                    | 7.6" × 2.8" × 2.6" (L × W × H)  |
|  | Net Weight           |   |
|  | Gross Weight         |   |



Dimensions (mm/in)

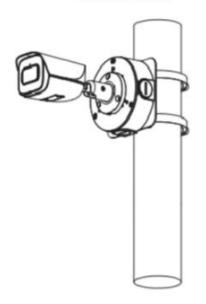




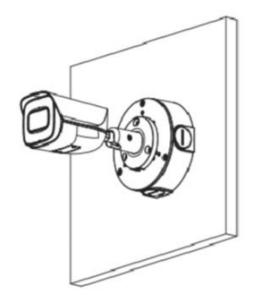


Accessories





**MNT-JUNCTION BOX 3** 



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