

# 8MP IQ Starlight Fixed Bullet Network Camera with Active Deterrence

IPW-2B18IQ2-40SWAL



## Features

- High quality image with 8MP, 1/2.8" CMOS sensor
- 8MP (3840x2160)@30/25 (default) fps; 5MP (3072x1728)@30/25 fps; 4MP (2560x1440)@30/25 fps; 2MP (1920x1080)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- Intelligent perimeter protection, include cross line, intrusion, enter area, leave area detection
- Intelligent Intrusion Prevention System based on target classification significantly reduces false alarms caused by leaves, birds, and lighting, accurately focusing on humans, vehicles, and non-motorized vehicles
- Intelligent People Flow Counting and Crowd Density Monitoring
- Smart intrusion prevention with Color retrieval
- Auto Scene Match (ASM) (Only WDR)
- 130 dB true WDR technology enables clear image in strong light scene
- Support red and blue warning light
- Support 9:16 Corridor Mode
- Alarm: 1 in/1 out, Audio: 1 in/1 out, Built-in Mic and Speaker
- Smart IR, up to 40 m IR distance, Warm light up to 40 m
- Supports up to 512 GB Micro SD Card
- IP67 protection

### Specifications

Model	IPW-2B18IQ2-40SWAL				
Camera					
Max Resolution	8 MP				
Sensor	1/2.8" CMOS				
Min. Illumination	Colour: 0.001 lux (F1.0, AGC ON) 0 Lux with light				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°				
S/N	>56 dB				
WDR	130 dB				
Lens					
Focal Length	4 mm				
Iris Type	Fixed				
Iris	F1.0				
Field of View (H)	92°				
Field of View (V)	51°				
Field of View (D)	106°				
DORI					
DORI Distance	Lens	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	4mm	124.1	49.7	24.8	12.4
Illuminator					
Supplemental Light	Dual light				
Illumination Distance (IR)	IR 40 m				
Illumination Distance (Warm Light)	Warm light 40 m				
IR On/Off Control	Auto/Manual				
Wavelength	850 nm				
Light On/Off Control	Auto/Manual				
Video					
Video Compression	Ultra 265, H.265, H.264, MJPEG				
H.264 Code Profile	Baseline profile, Main profile, High profile				
Video Stream	Triple streams				
Frame Rate	Main Stream:8MP (3840x2160), Max 30fps; 5MP (3072x1728), Max 30fps; 4MP (2560x1440), Max 30fps; 1080P (1920x1080), Max 30fps; 720P (1280x720), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; D1 (720x576), Max 30fps; 640x360, Max 30fps; 2CIF(704x288), Max 30fps; CIF(352x288), Max 30fps; Third Stream: D1 (720x576), Max 30fps; 640x360, Max 30fps; 2CIF(704x288), Max 30fps; CIF(352x288), Max 30fps;				
Video Bit Rate	128 kbps to 16 Mbps				
OSD	Up to 8 OSDs				
Privacy Mask	Up to 4 areas				
ROI	Support				

### Image

White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Auto Scene Match (ASM)	Support (only WDR)
Flip	Normal, Vertical, Horizontal, 180°, 90° Clockwise, 90° Anti-clockwise
HLC	Support
BLC	Support
Defog	Digital defog

### Intelligent

Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
People Counting	Support people flow counting and crowd density monitoring
Attribute Collection	SIP with color retrieval

### Events

Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output

### Audio

Audio Compression	G.711U, G.711A
Audio Bitrate	64 kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz

### Storage

Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)

### Network

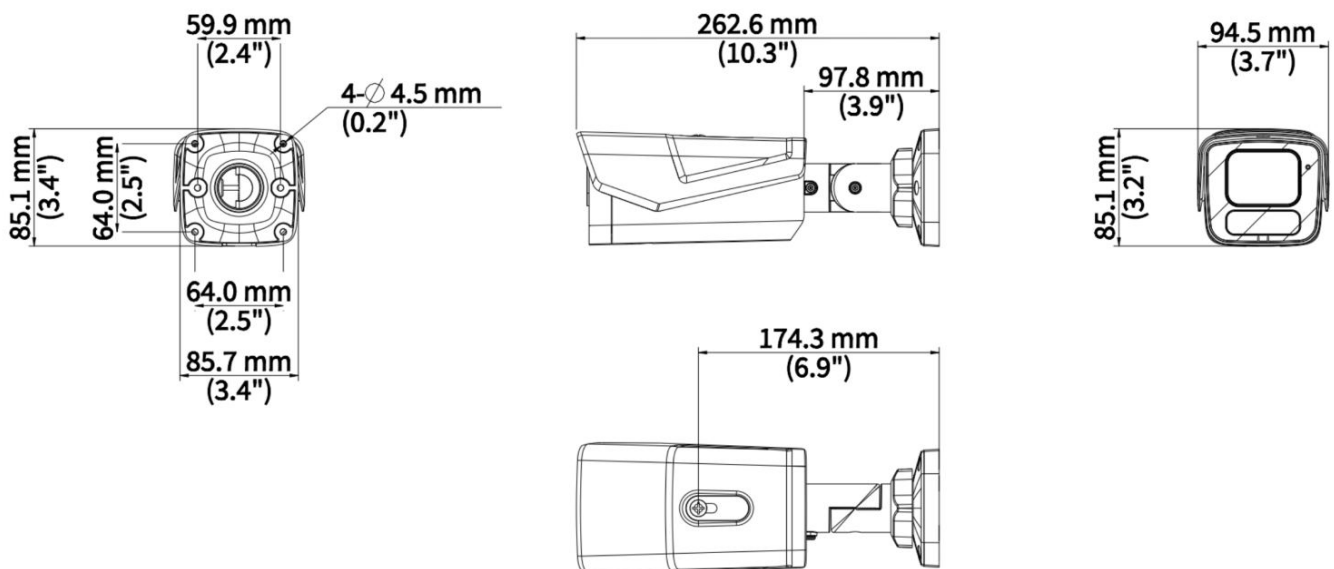
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T) API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	GuardStation, GuardLive, GuardLive Pro
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+

### Interface

Audio I/O	1 Input: impedance 35 kΩ, amplitude 2 V [p-p] 1 Output: impedance 600 Ω, amplitude 2 V [p-p]
Alarm I/O	1/1
Built-in Mic	Support

Built-in Speaker	Support
Two-way audio	Support
Network	1x RJ45 10 M/100 M Base-TX Ethernet
<b>Certification</b>	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130) FCC (FCC 47 CFR part15 B)
Safety	CE-LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529)
<b>General</b>	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 10W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	262.6 x 94.5 x 85.1mm (L x W x H)
Weight	0.97kg
Material	Metal + Plastic
Working Environment	-30 °C to 60 °C, Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 60 °C, Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 kV
Reset Button	Support

## Dimensions



### Accessories

TR-JB07-D-IN

Bullet Junction Box  
(Support wiring from behind)



TR-JB06-A-IN

Middle Bullet Junction Box



TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-UP06-C-IN

Pole Mounting Bracket  
for Bullet Junction Box Only



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UC08-C

Bullet&Dome Corner Mounting Bracket

