

# ICR-B2001-IR

## 2MP HD Bullet Network Camera



- 1/2.9" 2 Megapixel progressive CMOS
- H.264+ & H.264 dual-stream encoding
- 25/30fps@1080P(1920×1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67, PoE

## System Overview

Your favorite mini bullet camera, now available in the EDGE lineup - the ICR-B2001-IR

The ICR-B2001-IR is a 2MP Day/Night with a 2.8mm fixed lens. The camera itself supports H264 and H264+ compression, and True Day/Night viewing at up to 30 meters with 0 light. It's IP67 w weather rated as well as PoE.

\*All Edge series products come with a 3 year limited warranty

## Functions

### Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264.

The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

### True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

### Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

### Environmental

With a temperature range of -30 °C to +60 °C (-22°F to +140 °F), the camera is designed for extreme temperature environments. 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.

### Protection

Supporting ±10% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

### Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

## Technical Specification

### Camera

Image Sensor	1/2.9" 2 Megapixel progressive CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	256MB/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.1Lux/F2.0(Color) 0Lux/F2.0(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m(98ft)
IR On/Off Control	Auto/ Manual
IR LEDs	18

### Lens

Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8 mm			
Max. Aperture		F2.0			
Angle of View		H:101°83°, V:57°44°			
Optical Zoom		N/A			
Focus Control		Fixed			
Close Focus Distance		N/A			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8MM	147ft	59ft	30ft	16ft

### Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360
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### Intelligence

IVS	N/A
Advanced Intelligent Functions	N/A

### Video

Compression	H.264+/H.264
Streaming Capability	2 Streams
Resolution	1080P(1920×1080)/720P(1280×720)/ D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream: 2M (1 ~ 25/30fps)s
	Sub Stream: D1/CIF(1 ~ 25/30fps)
	N/A
Bit Rate Control	CBR/VBR
Bit Rate	H264:24K ~ 8192Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)

Electronic Image Stabilization (EIS)	Support
Smart IR	Support
Defog	N/A
Digital Zoom	16x
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

### Audio

Compression	N/A
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### Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP ;Bonjour;802.1x;Multicast;IGMP;ICMP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS(Network Attached Storage) Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

### Certifications

Certifications	CE (EN 60950:2000);UL:UL60950-1;FCC: FCC Part 15 Subpart B
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### Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

### Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<6.4W

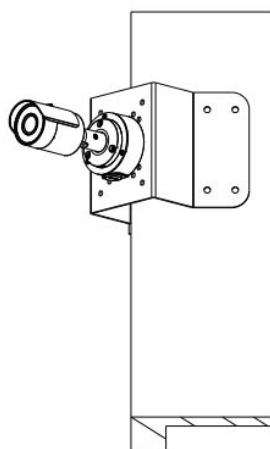
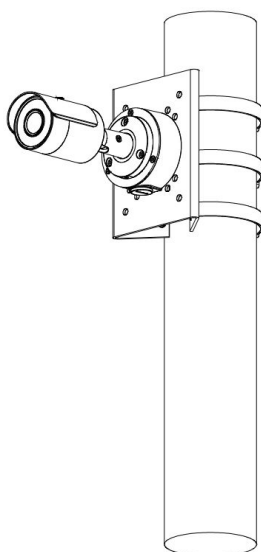
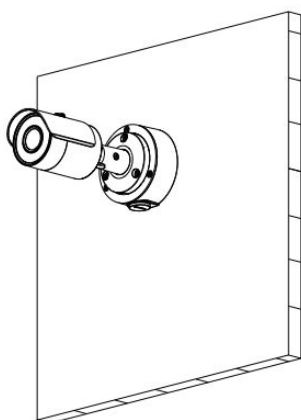
### Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

### Construction

Casing	Metal+Plastic
Dimensions	Φ70mm×164.7mm(2.76"×6.49")
Net Weight	0.38Kg(0.84lb)
Gross Weight	0.44Kg(0.97lb)

## Accessories



## Dimensions (mm/in)

