

ICIP-BW310S

3MP IR Mini-Bullet Wi-Fi Network Camera



- 1/3" 3 Megapixel progressive CMOS
- H.264 & MJPEG dual-stream encoding
- 20fps@3M(2304x1296)25/30fps@2M(1920x1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Wi-Fi support
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67

System Overview

A little bullet camera with big features and WiFi capabilities – the ICIP-BW310S.

This day/night bullet camera utilizes a 1/3", 3MP CMOS sensor supporting DWDR and other BLC features. Atop the 1/3" CMOS sensor sits a fixed 2.8mm lens, which offers a 100 degree horizontal field of vision. This camera is also equipped with IR illuminators which are effective up to 90'.

With a small form factor and Wireless capabilities, this camera is a great option for residential or small sized business installations, where pulling Ethernet or Coaxial cable isn't necessarily an option.

Functions

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).

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Protection

Supporting $\pm 10\%$ 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	1/3" 3 Megapixel progressive CMOS
Effective Pixels	2304(H) x1536(V)
RAM/ROM	256MB/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
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	24

Lens

Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8 mm
Max. Aperture	F2.0
Angle of View	H:100°, V:55°
Optical Zoom	N/A
Focus Control	Fixed
Close Focus Distance	N/A

Pan/Tilt/Rotation

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

IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	N/A

Video

Compression	H.264/H.264B/H.264H/MJPEG
Streaming Capability	2 Streams
Resolution	3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/720P(1280×720)/VGA(640×480)/QVGA(320×240)
Frame Rate	3M(1 ~ 20fps)/2M (1 ~ 25/30fps) VGA(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H264:32K ~ 10Mbps
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)
Wi-Fi	Wi-Fi(IEEE802.11b/g/n),50m(open field)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHCP;DNS;DDNS;IPv4/v6;QoS;UPnP;NTP;Bonjour;Multicast;ICMP;IGMP
Interoperability	PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users /20 Users
Edge Storage	NAS; Local PC for instant recording Micro SD card 128GB
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
Power Consumption	<4.4W

Environmental

Operating Conditions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
Storage Conditions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal+Plastic
Dimensions	70mm×164.7mm(2.76"×6.49")
Net Weight	0.43Kg (0.95lb)
Gross Weight	0.52Kg (1.158lb)

Accessories

Dimensions (mm/in)

