

ICIP-B3000AF-I

3MP Full HD WDR Smart Network Motorized IR Camera



- 1/3" 3 Megapixel progressive scan Aptina CMOS
- Support H.264/MJPEG dual codec
- Smart triple streams supported
- Max 25/30fps@3MP(2048x1536)
- 3 ~9mm varifocal motorized lens
- Max. IR LEDs Length 30m
- Micro SD memory, IP66, PoE

System Overview

A weatherproof, day/night, smart 3 Megapixel bullet camera – the ICIPB3000AF-I. This sleek bullet design contains a high resolution, 3 Megapixel Aptina CMOS sensor, capable of outputting a crisp, clear image. The optics are located behind the removable black snout, which conceals the 3 - 9mm motorized lens. This camera is IP66 rated and highly weatherproof.

Functions

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.

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).

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.

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 IP66 rating makes it suitable for demanding outdoor applications.

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 Aptina CMOS
Effective Pixels	2048(H) x 1536(V)
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual, 1/4~1/100000s
Minimum Illumination	0.01Lux/F1.4(Color), 0Lux/F1.4(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m (100ft)
IR On/Off Control	Auto/Manual

Lens

Lens Type	Motorized/ Auto Iris(DC)
Mount Type	Board-in
Focal Length	3mm~9mm
Max. Aperture	F1.4
Angle of View	H: 86.5°, V:28.6°
Focus Control	Motorized
Close Focus Distance	0.3m

Intelligence

IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	Face Detection

Video

Compression	H.264 / MJPEG
Streaming Capability	3 Streams
Resolution	3M(2048× 1536) / 1080P(1920× 1080) / 720P(1280× 720) / D1(704× 576) / CIF(352× 288)
Frame Rate	Main Stream: 3M/1080P (1~25/30fps) Sub Stream: D1/CIF(1 ~ 25/30fps) Sub Stream2: 1080P/720P/D1(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24~9472Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR (120dB)
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Defog	N/A
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a / G.711Mu / PCM
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Network

Ethernet	RJ-45 (10/100/1000Base-T)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users /20 Users
Edge Storage	Micro SD, Max 64GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Interface

Video Interface	N/A
Audio Interface	1/1 channel In/Out 3.5mm Jack
RS485	N/A
Alarm	1/1 channel In/Out

Electrical

Power Supply	DC12V, PoE (802.3af)
Power Consumption	<14W

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	IP66
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	268.1mm×95.1mm×95.1mm (10.56"×3.74"×3.74")
Weight	1.3Kg (2.87lb)

Accessories

Dimensions (mm/in)

