CCTV SECURITY PROS
A SECURITY CAMERA SOLUTIONS COMPANY℠

CSP-IPB3
3MP Network IR Mini-Bullet Camera

· 1/3" 3Megapixel progressive CMOS
· H.264+ & H.264 dual-stream encoding
· 20fps@3M(2048x1536)&25/30fps@1080P(1920×1080)
· DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
·   twork monitoring: Web viewer, CMS(DSS/PSS) & DMSS
·   ed lens (3.6 mm 6mm op
· Max IR LEDs Length 30m
· IP67, PoE

3Mp   H.264+   30m IR   IP67

System Overview

The IR Megapixel Fixed Mini-Bullet camera delivers 3MP resolu on with a choice of 2.8mm, 3.6mm, or 6mm lens op ons. The camera's elegant blend of aesthe cs combined with its compact form factor provides an excellent choice for a variety of small to mid-size, indoor/outdoor applica ons at an a ordable price

Functions

True Day/Night
A day/night mechanical IR cu er makes this camera ideal for applica ons with ctua ng ligh g cond ons, delivering color images during the day and automa cally switching to monochrome as the scene darkens

Regions of interest
Regions of Interest (ROI) is a user de ed feature that allows the operator to monit eas of a scene while s ll maintaining overall situa onal awareness of less important areas

Smart IR
With IR illumina on, 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 wh ng out images as they come closer to the camera. The camera's integrated infrared illumina on provides high performance in extreme low-light environments up to 30m

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

Protection
Sup ng ±10% input voltage tolerance, this camera suits even the most unstable con ons for outdoor applica ons. Its 6KV lightning ra ng provides protect on against the camera and its structure from the e ects of lightning.

Interoperability
The camera conforms to the ONVIF (Open Network Video Interface F a ons, ensuring interoperability between network video products regardless of manufacturer

Smart H.264+
Delivering high quality video without straining the network, Smart H.264+ is the op mized implementa on of H.264. The Smart H.264+ encoding pla orm includes a scene adap ve encoding strategy, dynamic GOP, dynamic ROI, xible mu -frame reference structure and intelligent noise red on, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Technical Specification

Camera

Image Sensor	1/3" 3Megapixel progresive CMOS
Effective Pixels	2304H)x1536(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 (3.6 mm optional)
Max. Aperture	F2.0/F2.0
Angle of View	H:98°/77°, V:51°/41°
Focus Control	Fixed
Close Focus Distance	N/A

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	58m(190ft)	23m(75ft)	12m(39ft)	6m(20ft)
	3.6 mm	73m(240ft)	29m(95ft)	15m(49ft)	7m(23ft)

PTZ

Pan/Tilt Range	Pan:0° ~360° ;Tilt:0° ~90° ;Rota

Video

Compression	H.264+/H.264
Streaming Capability	2 Streams
Resolution	3M(2048×1536)(2304×1296)/ 1080P(1920×1080)/720P(1280×720)/ D1(704×576/704×480)/ CIF(352×288/352×240)
Frame Rate	3M(1 ~ 20fps)/2M (1 ~ 25/30fps)s)
	D1/CIF(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H264:24K ~ 8192Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR

White Balance / Gain / Noise

White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image	Support
Smart IR	Support
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A

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;ICMP;IGMP;
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	Smart PSS, DSS,Easy4ip
Smart Phone	iPhone, iPad, Android Phone

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

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	<7.5W

Environmental

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

Construction

Casing	Metal+Plastic
Dimensions	Φ70mm×164.7mm(2.76''x6.49'')
Net Weight	0.38Kg(0.84lb)
Gross Weight	0.44Kg(0.97lb)