

ICIP-D2000-2.8A

2MP Mini-Dome Network Camera



- 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 triple-stream encoding
- 50/60fps@1080P(1920×1080)
- Smart Detection Supported
- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- 2.8mm fixed lens
- Built-in Mic
- Micro SD memory, IP66, PoE

System Overview

This indoor/outdoor camera is an extreme, low profile, near flush mount IP dome camera. Inside, it contains a high resolution 2 Megapixel image sensor, capable of outputting a crisp, clear image. The optics on this camera include a fixed, 2.8mm camera, providing a rather wide field of vision.

Functions

Starlight Technology

Featuring Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (0.002 lux).

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect

when a predetermined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265. H.265 ITU-T VCEG is a new video coding standard.

Technical Specification

Camera

Image Sensor	1/2.8" 2 Megapixel progressive scan CMOS
Effective Pixels	1920(H)x1080(V)
RAM/ROM	256MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.009Lux/F2.0(Color,1/3s,30IRE) 0.07Lux/2.0(Color,1/30s,30IRE) 0.005Lux/F2.0(B/W1/3s,30IRE) 0.03Lux/2.0(B/W,1/30s,30IRE)
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens

Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8mm			
Max. Aperture		F2.0			
Angle of View		H: 87°, V: 48°			
Optical Zoom		N/A			
Focus Control		Fixed			
Close Focus Distance		N/A			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	144ft	56ft	30ft	13ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~355°; Tilt:0°~75°; Rotation:0°~360°
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Intelligence

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

Video

Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: 1080P(1~50/60fps)
	Sub Stream: D1(1~50/60fps)
	Third Stream: 1080P(1~50/60fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24~9472Kbps H.265: 14~5632Kbps
Day/Night	Electronic
BLC Mode	BLC / HLC / WDR(120dB)
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)	N/A
Smart IR	N/A
Defog	N/A
Digital Zoom	16x
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a/ G.711Mu/ AAC/ G.726
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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; ICMP; IGMP; SNMP
Interoperability	ONVIF, 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	Built-in Mic
RS485	N/A
Alarm	N/A

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<3W

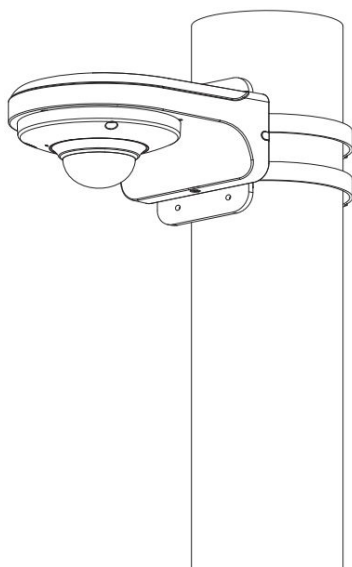
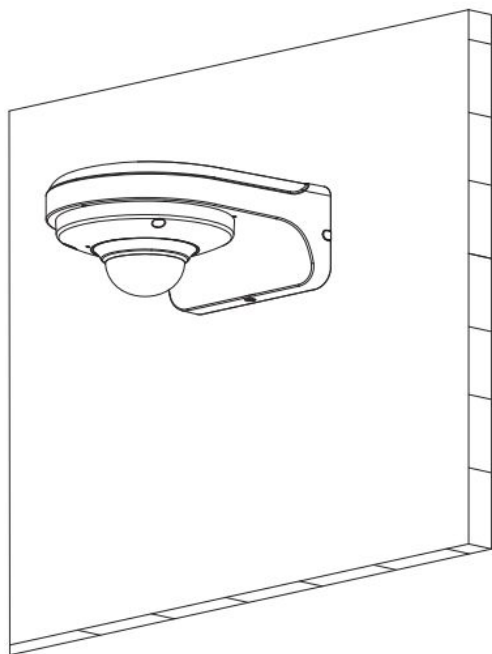
Environmental

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	110mm×56mm (4.33"×2.2")
Net Weight	0.38Kg (0.84lb)
Gross Weight	0.44Kg (0.97lb)

Accessories



Dimensions (mm/in)

