

IPC2231-FN-S

2.0MP HD Network Vandal-Proof Semi Dome Camera



Features

Excellent Image Quality

- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.001lux with color picture
- 120dB Ultra WDR
- 3D noise reduction / Auto Iris / HLC

Intelligent Functions

- Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge

Vandal-Proof

- Above IK10 @ 50J collision energy

A Variety of Installation Modes

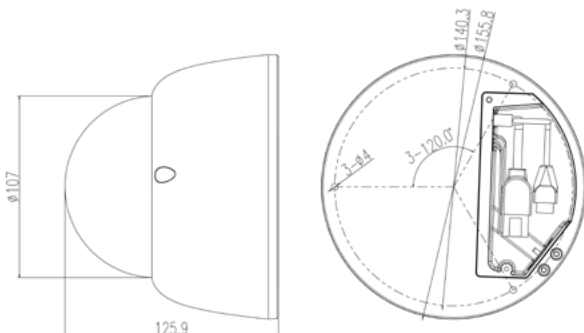
- Supports 90°, 180°, 270° image rotation
- Varifocal AF lens (-Z2812 only)

Abundant Functions and Features

- Micro SD card slot, supports Automatic Network Replenishment (ANR)
- Bi-directional audio / alarm in and out / video out / RS485
- 2 channel audio input simultaneously
- Up to 3 Multi-stream
- PoE / Power output
- IP67

Dimensions

Units:mm



Specifications

	IPC2231-FN-S
Camera	
Image Sensor	1/2.8" progressive scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.001lux @ (F1.4, AGC ON) B/W: 0.0001lux @ (F1.4, AGC ON)
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, $\geq 120dB$
S/N Ratio	$> 52dB$
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR / HLC
Lens	
Mount Type	-Z2812: $\phi 14$ -L0200 / -L0220: M12
Auto Iris	-Z2812: DC drive -L0200 / -L0220: Fixed
Focal Length	-Z2812: 2.8~12mm @ F1.4 motorized varifocal lens -L0200: 2mm -L0220: 2.2mm
Focus Control	-Z2812: Manual / Semi-Automatic / Auto -L0200 / -L0220: Fixed
Angle of View	-L0200: 151° -L0220: 126° -Z2812: 108° ~ 35°
Adjustment Range	Pan: 0° ~ 355° / Tilt: 0° ~ 75° / Rotation: 0° ~ 355°
Video	
Compression	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi-stream	Supported
Caption	Date and time / Alarm / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror / Rotation at 90°, 180°, 270°
Audio	
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / G.726
Bitrate	32kbps ~ 64kbps
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, IGMP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, Firefox, Chrome)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI
Automatic Network Replenishment (ANR)	Supported
Alarm	
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error
Intelligent	Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm
Interfaces	
Ethernet	10/100M, RJ45 interface
Audio In / Out	2 x Line in / 1 x Line out
Control	1 x RS485
Alarm In / Out	1 x Input / 1 x Output
Video Out	1 x BNC, 1.0V [p-p] / 75 Ω
Memory Slot	Micro SD card slot, supports up to 128GB
Power Output	1 x DC12V / 0.1A Output
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IK10+, IP67
Electrical	
Power	AC24V $\pm 10\%$ / DC12V $\pm 10\%$ / PoE (IEEE802.3af)
Power Consumption	Max. 11W
Mechanical	
Weight	1 kg / 2.2lb (Gross Weight)
Dimensions	$\phi 155.8 \times 125.9mm / \phi 6.14" \times 4.96"$