IPC2431-HN-SIR40

4.0MP Ultra WDR HD Network Vandal-proof Varifocal IR Semi Dome Camera

KEDACOM

4.0 MP Sensor Pixel	IP67	H.265 Encoding	AF Auto Focus	Vandal Proof

Features

Excellent Image Quality
- 4.0 Megapixel 1/3" progressive scan CMOS Sensor
- High definition and smooth picture, 2592×1520@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Low illumination, 0.05lux with color picture
- 120dB Ultra WDR
- 3D noise reduction / Automatic Iris / HLC

Intelligent
- 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

Integrated High Efficiency IR
- Industrial IR LED with long operational lifespan
- 20 ~ 40m IR distance
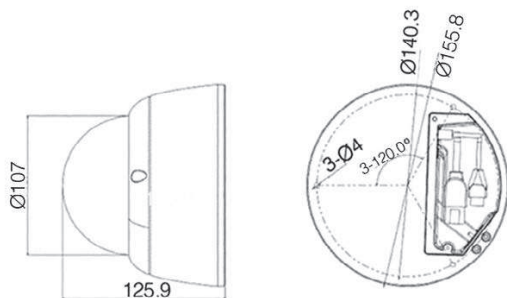- Smart IR function

A Variety of Installation Modes
- Supports 90°, 180°, 270° image rotation
- Varifocal AF lens

Abundant Functions and Features
- Supports Automatic Network Replenishment (ANR)
- Bi-directional audio / alarm in and out / video out / RS485
- 2 channel audio input simultaneously
- Up to 3 video streams
- PoE / Power output
- IP67

Dimensions

Units: mm

Specifications

Model	IPC2431-HN -SIR40
Camera	
Image Sensor	1/3" progressive scan CMOS
Pixels	4.0 Megapixel
Min. Illumination	Color: 0.05lux @ (F1.4, AGC ON)
	B/W: 0lux with IR
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, 120dB
S/N Ratio	>50dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR / HLC
Lens	
Mount Type	Φ14
Automatic Iris	DC drive
Focal Length	-Z3009: 2.8~12mm @ F1.4 motorized varifocal lens
Focus Control	Manual / Semi-Automatic / Auto
Angle of View	-Z3009: 106° ~ 33°
Adjustment Range	Pan: 0° ~ 355° / Tilt: 0° ~ 75° / Rotation: 0° ~ 355°
Infrared	
IR Distance	20 ~ 40m
IR Intensity	Smart IR
Video	
Compression	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 2592×1520
	Secondary stream: D1
Frame Rate	Main stream: 2592×1520@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 / AAC-LC / 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, 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] / 75Ω
Memory Slot	TF 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+ @50J, IP67
Electrical	
Power	AC24V±10% / DC12V ± 10% / PoE (IEEE802.3af)
Power Consumption	Max. 11W
Mechanical	
Weight	1kg / 2.2lb (Gross Weight)
Dimensions	Φ155.8 × 125.9mm / Φ6.14" x 4.96"