

IPC2241-FN/FNW-SIR

2.0MP Starlight & Ultra WDR HD Mini IR Semi Dome



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
Ultra-low illumination, 0.002lux with color picture
120dB Ultra WDR
3D noise reduction / Auto Iris / HLC

Recognitive Functions

Driver behavior detection of fatigue driving, yawning, smoking, inattention, calling and absence

Intelligent Functions

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

Integrated High Efficiency IR

Industrial IR LED with long operational lifespan
15m IR distance
Smart IR function

A variety of Installation Modes

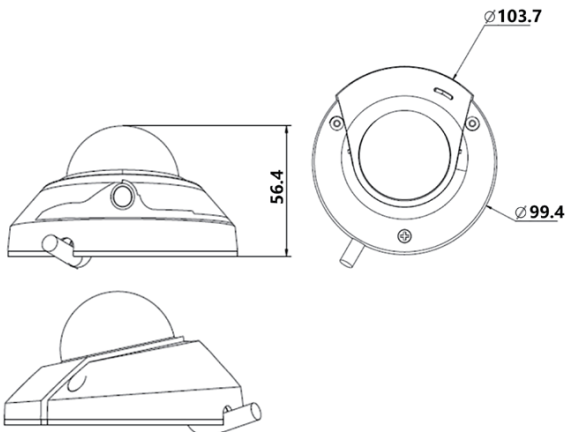
Supports 90°, 180°, 270° image rotation

Abundant Functions and Features

Micro SD card slot, supports Automatic Network Replenishment (ANR)
Bi-directional audio / Built-in Mic / Alarm in and out / Video out / RS485
Wi-Fi supported (-FNW only)
3G / 4G supported (-GiCWG only)
Dual-stream (1080p + D1)
Anti-fog glass
EN50155
PoE
IP67, IK10+ Protection

Dimensions

Unit: mm



Specifications

	IPC2241-FN-SIR	IPC2241-FNW-SIR
Camera		
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.002lux (F2.0, AGC ON) B/W: 0.0002lux (F2.0, AGC ON); 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	>58dB	
White Balance	Auto / Manual	
Gain Control	Auto / Manual	
Backlight	Off / WDR / BLC / HLC	
Lens		
Mount Type	M12	
Focal Length	2.8mm (-L0280) / 3.6mm (-L0360) / 6mm (-L0600) / 8mm (-L0800)	
Angle of View	101.2° (-L0280) / 78.6° (-L0360) / 53.2° (-L0600) / 36.8° (-L0800)	
Adjustment Range	Pan: -45° ~ 45° / Tilt: 0° ~ 90° / Rotation: 0° ~ 360°	
Infrared		
IR Distance	15m	
IR Intensity	SmartIR	
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 ~ 8Mbps	
Bitrate Control	VBR / CBR	
Dual-stream	Supported	
Caption	Date and time / Alarm / Customized	
Privacy Masking	Up to 4 zones	
Motion Detection	Up to 4 zones	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Digital Defog	Supported	
Image Flip	Flip / Mirror / Rotation 90°, 180°, 270°	
Audio		
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC	
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)	
3G/4G	-GiCWG model only	
Wireless		Wi-Fi
Wi-Fi		802.11b/g/n 2.4G, Wi-Fi AP
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181 2011, API, CGI	
Automatic Network Replenishment (ANR)	Supported	
Recognitive Functions		
Driver behavior detection	Fatigue driving, yawning, smoking, inattention, calling and absence (Optional, -GiCWG model only)	
Alarm		
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error	
Smart Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm	
Intelligent	Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio Surge /	
Interface		
Ethernet	RJ45, 10/100M interface auto adaptive	
WiFi		Built-in Wi-Fi module
Audio In / Out	1 x Line in, 1 x Line out / 1 x Built in Mic	
Control	1 x RS485	
Alarm In / Out	2 x Input / 1 x Output	
Analog	1 x BNC, 1.0V [p-p] / 75Ω	
Memory Slot	Micro SD card slot, supports up to 256GB	
Environmental		
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F	
Operating Humidity	10% ~ 95%	
Protection Level	IK10+, IP67, EN50155	
Electrical		
Power	12V DC ± 25% / PoE (IEEE802.3af)	
Power Consumption	Max. 8W	
Mechanical		
Weight	0.5 kg / 1.1lb (Gross Weight)	
Dimensions	Φ103.7 × 56.4mm / Φ4.08" × 2.22"	

IPC2241-FN/FNW-PIR

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Anti-fog glass
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