

# IPC2251-HN/HNB

## 2.0MP Starlight & Ultra WDR HD Network Varifocal IR Bullet 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

#### Integrated High Efficiency IR

- Industrial IR LED with long operational lifespan
- Up to 120m IR distance (-SIR80-Z6048)
- Smart IR function

#### A Variety of Installation Modes

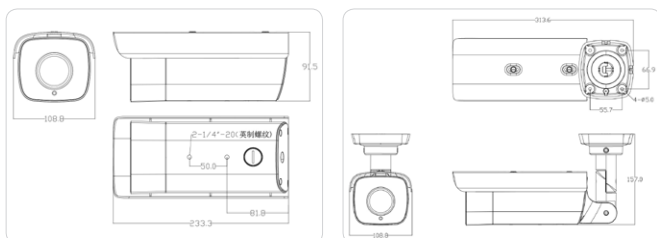
- Supports 90°, 180°, 270° image rotation
- Auto flip function
- Varifocal AF lens

#### Abundant Functions and Features

- TF card slot, support Automatic Network Replenishment (ANR)
- Bi-directional audio / alarm in and out / video out / RS485
- 2 channel audio input simultaneously
- Up to 3 Multi-stream
- Anti-fog with heating glass
- Built-in O-sensor
- -40°C ~ 70°C operation temperature
- PoE
- IP67

### Dimensions

Units:mm



### Specifications

	IPC2251-HN/HNB(-SIR40-Z3009, -SIR80-Z6048)
<b>Camera</b>	
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); 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	>57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR / HLC
<b>Lens</b>	
Mount Type	φ14
Auto Iris	DC drive
Focal Length	-SIR40-Z3009: 2.8-12mm @ F1.4 motorized varifocal lens -SIR80-Z6048: 6-48mm @ F1.4 motorized varifocal lens
Focus Control	Manual / Semi-Automatic / Auto
Angle of View	-SIR40-Z3009: 90°~ 37° -SIR80-Z6048: 65°~ 7.2°
<b>Infrared</b>	
IR Distance	-SIR40-Z3009: 30 ~ 50m -SIR80-Z6048: 80 ~ 120m
IR Intensity	Smart IR
<b>Video</b>	
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	Support
Caption	Date and time / Alarm / Direction / 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° / Auto flip (Built-in G-sensor)
<b>Audio</b>	
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
<b>Network</b>	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMT, 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
<b>Alarm</b>	
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
<b>Interfaces</b>	
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
<b>Environmental</b>	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection level	IP67
<b>Electrical</b>	
Power	12V DC ± 10% / PoE (IEEE802.3af)
Power Consumption	-SIR40-Z3009: Max. 12.5W -SIR80-Z6048: Max. 15W
<b>Mechanical</b>	
Weight	-HNB: 2.5 kg / 5.5lb (Gross Weight) -HN: 2 kg / 4.4lb (Gross Weight)
Dimensions	-HNB: 313.6mm×108.8mm×157mm / 12.35" x 4.28" x 6.19" -HN: 233.3mm×108.8mm×91.5mm / 9.19" x 4.28" x 3.60"
Mounting Bracket	-HN: Bracket included -HNB: Bracket not included