

# IPC2852-FN/FNB-SIR50-Z2812

## 8.0MP Starlight & Ultra WDR HD Network Varifocal IR Bullet Camera



### Features

#### Excellent Image Quality

- 8.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 3840 x 2160@20fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.005lux with color picture
- 120dB Ultra WDR
- 3D noise reduction / HLC

#### Intelligent Functions

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

#### Integrated High Efficiency IR

- Industrial IR LED with long operational lifespan
- Up to 70m IR distance
- Smart IR function

#### A Variety of Installation Modes

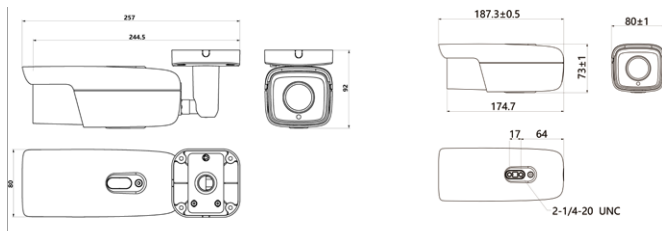
- Supports 90°, 180°, 270° image rotation
- Motorized varifocal lens

#### Abundant Functions and Features

- Micro SD card slot, supports Automatic Network Replenishment (ANR)
- Bi-directional audio / alarm in and out / RS485
- Up to 3 Multi-stream
- Anti-fog glass
- -40°C ~ 70°C operation temperature
- PoE
- IP67

### Dimensions

Units:mm



### Specifications

Camera	IPC2852-FN/FNB-SIR50-Z2812
Image Sensor	1/2.8" progressive scan CMOS
Pixels	8.0 Megapixel
Min. Illumination	Color: 0.005lux@ (F1.6, AGC ON) B/W: 0.0005lux@ (F1.6, 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 Compensation	Off / WDR / BLC / HLC
<b>Lens</b>	
Mount Type	Φ14
Auto Iris	DC drive
Focal Length	-Z2812: 2.8-12mm @F1.6~F3.3 motorized varifocal lens
Focus Control	Manual / Semi-Automatic / Auto
Angle of View	Horizontal : 29.4°(T)~99.6°(W) Vertical : 16.5°(T)~53.1°(W)
<b>Infrared</b>	
IR Distance	50 ~ 70m
IR Intensity	Smart IR
<b>Video</b>	
Compression	Smart 265 / H.265 (Main Profile) / H.264 (BaseLine Profile / Main Profile / High Profile) / MJPEG
Image Resolution	Main stream: 3840 x 2160 Secondary stream: 720P Third stream: D1
Frame Rate	Main stream: 3840 x 2160@20fps Secondary stream: 720P@30fps Third stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	NBR / CBR
Multi-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°
<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, HTTPS, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, IGMP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
Max. User Access	Max. 20 Users (includes 2 internal)
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2016, API, CGI
Automatic Network Replenishment (ANR)	Supported
<b>Alarm</b>	
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error
Basic Intelligent	Tampering / Defocus / Scene change / Object left / Object removal / Audio surge / Human & Vehicle Detection:
Deep Learning Intelligent	Motion detection / Guard line / Enter guard area / Exit guard area / People Gathering
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	1 x Line in / 1 x Line out
Control	1 x RS485
Alarm In / Out	2 x Input / 1 x Output
Memory Slot	Micro SD card slot, supports up to 256GB
<b>Environmental</b>	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%, No condensation
Protection Level	IP67, IK10 (optional)
<b>Electrical</b>	
Power	12V DC ± 10% / PoE (IEEE802.3af)
Power Consumption	Max. 11W
<b>Mechanical</b>	
Weight	-FN: 1kg / 2.2lb (Gross Weight) -FNB: 1.2kg / 2.65lb (Gross Weight)
Dimensions	-FN: 181.5 x 80 x 73mm / 7.15" x 3.15" x 2.87" -FNB: 271.3 x 80 x 87.8mm / 10.68" x 3.15" x 3.46"
Mounting Bracket	-FN: Bracket not included -FNB: Bracket included