

# IPC2451-Fi4N&Fi4NB-SIR50

## 4.0MP Human Recognitive HD Network Varifocal IR Bullet



### Features

#### Excellent Image Quality

- 4.0 Megapixel 1/1.8" progressive scan CMOS sensor
- High definition and smooth picture, 2688 x 1520@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- 3D noise reduction / Auto Iris / HLC

#### Integrated High Efficiency IR

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

#### Recognitive Functions

- Up to 36 targets simultaneously
- Target capturing
- Bi-directional people counting
- Built-in picture comparison algorithm, best picture selection
- Face Intelligence Exposure

#### Integrated High Efficiency IR

- Industrial IR LED with long operational lifespan
- Up to 50m IR distance
- Smart IR function

#### A Variety of Installation Modes

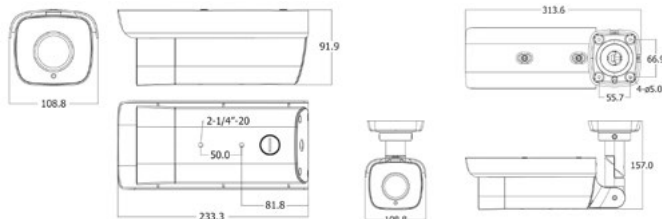
- Supports 90°, 180°, 270° image rotation
- Varifocal AF lens

#### Abundant Functions and Features

- Micro SD 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
- -40°C ~ 70°C operation temperature
- PoE
- IP67

### Dimensions

Units:mm



### Specifications

|                                       |  |
|---------------------------------------|--|
| IPC2451-Fi4N&Fi4NB-SIR50              |  |
| <b>Camera</b>                         |  |
| Image Sensor                          | 1/1.8" progressive scan CMOS   |
| Pixels                                | 4.0 Megapixel  |
| Min. Illumination                     | Color: 0.005lux @ (F1.2, AGC ON)<br>B/W: 0.0005lux @ (F1.2, AGC ON); 0Lux with IR  |
| Shutter Speed                         | 1 ~ 1/30,000s  |
| Day / Night                           | Auto (ICR) / Color / B/W   |
| Wide Dynamic Range                    | Digital WDR  |
| S/N Ratio                             | >=58dB   |
| White Balance                         | Auto / Manual  |
| Gain Control                          | Auto / Manual  |
| Backlight Compensation                | Off / BLC / WDR / HLC  |
| <b>Lens</b>                           |  |
| Auto Iris                             | DC drive   |
| Focal Length                          | -Z2812: 2.8-12mm @ F1.2 motorized varifocal AF lens<br>-Z8032: 8-32mm @ F1.2 motorized varifocal AF lens   |
| Focus Control                         | Manual / Semi-Automatic / Auto   |
| Angle of View                         | -Z2812: 45.5°~ 91°<br>-Z8032: 15°~ 38°   |
| <b>Infrared</b>                       |  |
| IR Distance                           | 50m  |
| IR Intensity                          | Smart IR   |
| <b>Video</b>                          |  |
| Compression                           | H.265 / H.264 / MJPEG  |
| Image Resolution                      | Main stream: 2688 x 1520<br>Secondary stream: D1   |
| Frame Rate                            | Main stream: 2688 x 1520@25fps<br>Secondary stream: D1@25fps   |
| 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°  |
| <b>Audio</b>                          |  |
| Compression                           | G.711a / G.711u / ADPCM / G.722 /  |
| 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, 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  |
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| Network Protocols                     | TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)                           |
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| Automatic Network Replenishment (ANR) | Supported  |
| <b>Recognitive Functions</b>          |  |
| Target Detection                      | Person, Face   |
| Captured Picture                      | Person, Face   |
| Target Characters                     | Built-in picture comparison algorithm, best picture selection  |
| People Counting                       | Direction / Speed level  |
| Face Enhancement                      | Bi-directional   |
| Alarm                                 | Face Intelligence Exposure   |
| 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 |
| 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   |
| Memory Slot                           | Micro SD 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                                 | DC 12V ± 10% / AC 24V ± 10% / PoE (IEEE802.3at)  |
| Power Consumption                     | Max. 15W   |
| <b>Mechanical</b>                     |  |
| Weight                                | -FNB: 2.5kg / 5.5lb (Gross Weight)<br>-FN: 2kg / 4.4lb (Gross Weight)  |
| Dimensions                            | -FNB: 313.6 x 108.8 x 157mm / 12.35" x 4.28" x 6.19"<br>-FN: 233.3 x 108.8 x 91.9mm / 9.19" x 4.28" x 3.62"  |
| Mounting Bracket                      | -FNB: Bracket included<br>-FN: Bracket not included  |