

# IPC2233-FN-S

## 2.0MP Starlight & Ultra WDR HD Network Vandal-Proof Varifocal 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 and storage
- Ultra low illumination, 0.002lux 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

#### Vandal-Proof

- Above IK10 @ 50J collision energy

#### 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 / alarm in and out / video out / RS485
- 2 channel audio input simultaneously
- Up to 3 Multi-stream
- PoE
- IP67

### Specifications

|                                       |  |
|---------------------------------------|--|
|                                       | IPC2233-FN-S   |
| <b>Camera</b>                         |  |
| Image Sensor                          | 1/2.8" progressive scan CMOS   |
| Pixels                                | 2.0 Megapixel  |
| Min. Illumination                     | Color: 0.002lux @ (F1.8, AGC ON)<br>B/W: 0.0002lux @ (F1.8, AGC ON)  |
| 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  |
| <b>Lens</b>                           |  |
| Mount Type                            | M12  |
| Focal Length                          | 2.1mm (-L0210)   |
| Angle of View                         | 132° (-L0210)  |
| Adjustment Range                      | Pan: -120° ~ +120° / Tilt: 0° ~ 65° / Rotation: -90° ~ +90°  |
| <b>Video</b>                          |  |
| Compression                           | H.265 / H.264 / MJPEG  |
| Image Resolution                      | Main stream: 1080p<br>Secondary stream: D1   |
| Frame Rate                            | Main stream: 1080p@30fps<br>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°  |
| <b>Audio</b>                          |  |
| Compression                           | G.711a / G.711u / ADPCM / G.722 / 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, 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  |
| <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                           | 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                      | IK10+ @50J, IP67   |
| <b>Electrical</b>                     |  |
| Power                                 | DC12V ± 10%  |
| Power Consumption                     | Max. 11W   |
| <b>Mechanical</b>                     |  |
| Weight                                | 0.71 kg / 1.57lb (Gross Weight)  |
| Dimensions                            | Φ122x 96.13mm / Φ4.8" x 3.78"  |

### Dimensions

Units:mm

