

## 8MP Smart Hybrid Light Entry AI Fixed-Focal IPC



8MP 1/2.7" CMOS Sensor  
 Support H.264+, H.265+  
 IR Light: 40 m, White Light: 40m  
 Smart Motion Detection  
 2.8mm fixed lens (3.6mm/6mm optional)  
 12 VDC/PoE power supply  
 IP67 protection

| Camera                   |  |
|--------------------------|--|
| Image Sensor             | 1/2.7" CMOS  |
| Max. Resolution          | 8MP,3840 (H) × 2160 (V)  |
| Scanning System          | Progressive  |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s  |
| Min. Illumination        | 0.007Lux(Color); 0.0007Lux (B/W); 0Lux (Illuminator on)  |
| S/N Ratio                | > 56 dB  |
| Illumination Distance    | IR Light: 40 m, White Light: 40m   |
| Illuminator Control      | Auto; Manual   |
| Lens                     |  |
| Lens Type                | Fixed-Focal  |
| Focal Length             | 2.8mm/3.6mm  |
| Max. Aperture            | F1.6   |
| Field of View            | 2.8 mm: Horizontal:107°; vertical: 56°; diagonal: 127°<br>3.6 mm: Horizontal:84°; vertical: 47°; diagonal: 97° |
| Iris Type                | Auto   |
| Intelligence             |  |
| Smart Motion Detection   | Yes  |
| Video                    |  |
| Compression              | H.264H; H.264M; H.264B; H.265  |
| Smart Compression        | H.264H+; H.264M+; H.264B+; H.265+  |
| Video Frame Rate         | Main Stream: 8MP (1 fps–20 fps)  |
|                          | Sub Stream: D1 (1 fps–25/30 fps)   |
|                          | Third Stream: 720P (1 fps–25/30 fps)   |
| Stream Capability        | 3 Streams  |
| Bit Rate Control         | CBR/VBR  |
| Video Bit Rate           | H.264: 3 Kbps–20480 Kbps   |
|                          | H.265: 3 Kbps–20480 Kbps   |
| Day/Night                | Color/B/W  |

## Entry AI Series | IPC-BF1849S-S2

|                     |  |
|---------------------|--|
| BLC                 | Yes  |
| HLC                 | Yes  |
| WDR                 | DWDR   |
| White Balance       | Yes  |
| Gain Control        | Auto/Manual  |
| Noise Reduction     | 3D NR  |
| Motion Detection    | OFF/ON (4 Areas, rectangular)  |
| Image Rotation      | 180°   |
| Mirror              | Yes  |
| Privacy Masking     | 4 Areas  |
| Audio               |  |
| Built-in Mic        | NA (optional)  |
| Built-in Speaker    | NA   |
| Two-way talk        | NA   |
| Audio Compression   | G.711a; G.711Mu; G.726; G.726ASF   |
| Alarm               |  |
| Arming/Disarming    | NA   |
| Sound Alarm         | NA   |
| Light Alarm         | NA   |
| Alarm Event         | Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  |
| Network             |  |
| Network             | RJ-45 (10/100 Base-T)  |
| SDK and API         | Yes  |
| Network Protocol    | TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP |
| Interoperability    | ONVIF; CGI;P2P(Optional)   |
| User/Host           | 20 (Total bandwidth: 80 M)   |
| Storage             | FTP; Micro SD card (Optional)  |
| Browser             | IE: IE8 and later; Chrome; Firefox                                       |
| Management Software | PC Software(SVMS), APP   |
| Mobile Client       | IOS; Android   |
| Port                |  |
| Audio Input         | NA   |
| Audio Output        | NA   |
| Alarm Input         | NA   |
| Alarm Output        | NA   |
| Power               |  |
| Power Supply        | 12V DC (±30%)/PoE (802.3af)  |
| Power Consumption   | Basic: 2.1 W; Max:4.2W   |

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.

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|                      |   |
|----------------------|---|
| Environment          |   |
| Operating Conditions | −30°C to +60°C (−22°F to +140°F)/Less than 95% RH |
| Storage Conditions   | −40°C to +60°C (−40°F to +140°F)                  |
| Protection Grade     | IP67  |
| Structure            |   |
| Casing               | Metal( pedestal: plastic )                        |
| Dimensions           | 70mm×70mm×170mm                                   |
| Net Weight           | 420g  |