

## 6MP Smart Hybrid Light Active Deterrence Lite AI Fixed-Focal IPC



6MP 1/2.7" CMOS Sensor  
 Support H.264+, H.265+  
 IR distance 40m, Warm light distance 40m  
 Support Perimeter Protection, SMD  
 Support Built-in Mic & Speaker  
 Supports max. 256 G Micro SD card  
 2.8mm fixed lens (3.6mm optional)  
 12 VDC/PoE power supply  
 IP67 protection

| Camera                   |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.7" CMOS                                                                                            |
| Max. Resolution          | 6MP, 3072 (H) ×1944 (V)                                                                                |
| Scanning System          | Progressive                                                                                            |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s                                                                          |
| Min. Illumination        | 0.006Lux(Illuminator off); 0Lux (Illuminator on)                                                       |
| S/N Ratio                | > 56 dB                                                                                                |
| Illumination Distance    | IR distance 40m, Warm light distance 40m                                                               |
| Illuminator Control      | Auto; Manual                                                                                           |
| Lens                     |                                                                                                        |
| Lens Type                | Fixed-Focal                                                                                            |
| Focal Length             | 2.8mm/3.6mm                                                                                            |
| Max. Aperture            | F1.6                                                                                                   |
| Field of View            | 2.8mm Horizontal: 111°,Vertical:59°,Diagonal:134°<br>3.6mm Horizontal: 90°,Vertical:48°,Diagonal: 108° |
| Iris Type                | Auto                                                                                                   |
| Intelligence             |                                                                                                        |
| Smart Motion Detection   | Yes                                                                                                    |
| Perimeter Protection     | Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)                       |
| Face Detection           | NA                                                                                                     |
| Object Detection         | NA                                                                                                     |
| People Counting          | NA                                                                                                     |
| Heat Map                 | NA                                                                                                     |
| AI Search                | Work together with NVR                                                                                 |
| Video                    |                                                                                                        |
| Compression              | H.264H; H.264M; H.264B; H.265                                                                          |
| Smart Compression        | H.264H+; H.264M+; H.264B+; H.265+                                                                      |

## Lite AI Series | IPC-BF2649D-AS

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Video Frame Rate    | Main Stream: 6MP (1 fps–25/30 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                                                                |
| 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        | Yes                                                                      |
| Built-in Speaker    | NA(optional)                                                             |
| Alarm               |                                                                          |
| Arming/Disarming    | NA                                                                       |
| Sound Alarm         | NA                                                                       |
| Light Alarm         | Yes                                                                      |
| 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 (support max. 256 G/FAT32)                            |
| Browser             | IE: IE8 and later; Chrome; Firefox                                       |
| Management Software | PC Software(SVMS)                                                        |
| Mobile Client       | IOS; Android                                                             |
| Port                |                                                                          |
| Audio Input         | NA                                                                       |

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

**Lite AI Series**
IPC-BF2649D-AS

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Audio Output         | NA                                                |
| Alarm Input          | NA                                                |
| Alarm Output         | NA                                                |
| Power                |                                                   |
| Power Supply         | 12V DC (±30%)/PoE (802.3af)                       |
| Power Consumption    | Basic: 2.7 W; Max. 5.4W                           |
| 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                                             |
| Dimensions           | 238 mm × 79mm × 74mm                              |
| Net Weight           | 760g                                              |

**Camera Structure and Dimensions**

