

## 8MP Smart Hybrid Light Active Deterrence Lite AI Vari-Focal IPC



- 8MP 1/2.7" CMOS Sensor
- Support H.264+, H.265+
- IR distance 40m, Warm light distance 40m
- Perimeter Protection, SMD
- Support Built-in Mic & Speaker
- Supports max. 256 G Micro SD card
- 2.7 mm–13.5 mm 5x zoom lens
- 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 distance 40m, Warm light distance 40m                                         |
| Illuminator Control      | Auto; Manual                                                                     |
| Lens                     |                                                                                  |
| Lens Type                | Motorized Vari-Focal                                                             |
| Focal Length             | 2.7 mm–13.5 mm                                                                   |
| Max. Aperture            | F1.6                                                                             |
| Field of View            | Horizontal: 109°–30°<br>Vertical: 56°–17°<br>Diagonal: 131°–35°                  |
| Iris Type                | Auto                                                                             |
| Intelligence             |                                                                                  |
| Smart Motion Detection   | Yes                                                                              |
| Perimeter Protection     | Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor) |
| 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+                                                |
| 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                                                                        |

## Lite AI Series | IPC-BF2849D-ZAS

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| 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                 | 120 dB                                                                   |
| 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)                                                             |
| Two-way talk        | NA(optional)                                                             |
| Audio Compression   | G.711a; G.711Mu; G.726; G.726ASF                                         |
| 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                                                          |
| 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), APP                                                   |
| Mobile Client       | IOS; Android                                                             |
| Port                |                                                                          |
| Audio Input         | NA                                                                       |
| Audio Output        | NA                                                                       |
| Alarm Input         | NA                                                                       |

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

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|                      |                                                   |
|----------------------|---------------------------------------------------|
| Alarm Output         | NA                                                |
| Power                |                                                   |
| Power Supply         | 12V DC (±30%)/PoE (802.3af)                       |
| Power Consumption    | Basic: 2.5 W; Max: 6.2W                           |
| 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           | 790g                                              |

Camera Structure and Dimensions

