

## 5MP Smart Dual Light Active Deterrence Pro AI Fixed-Focal IPC with R&amp;B



- 5MP 1/2.7" CMOS Sensor
- Support H.264+, H.265+
- IR distance 40m, Warm Light distance 40m
- Perimeter Protection, Face Detection, SMD, Smart Object Detection, People Counting, Video Metadata
- Support Built-in Mic & Speaker
- Support Red and Blue LED Alarm, Sound Alarm, Arm and Disarm
- Supports max. 256 G Micro SD card
- 2.8mm fixed lens (3.6mm optional)
- 12 VDC/PoE power supply
- IP67, IK10 protection

| Camera                   |                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.7" CMOS                                                                                                                                                        |
| Max. Resolution          | 5MP                                                                                                                                                                |
| Scanning System          | Progressive                                                                                                                                                        |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s                                                                                                                                      |
| Min. Illumination        | 0.001Lux(Illuminator off); 0Lux (Illuminator on)                                                                                                                   |
| S/N Ratio                | > 56 dB                                                                                                                                                            |
| Illumination Distance    | IR distance 40m, Warm Light distance 40 m                                                                                                                          |
| 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°                                                             |
| Intelligence             |                                                                                                                                                                    |
| Smart Motion Detection   | Yes                                                                                                                                                                |
| Perimeter Protection     | Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)                                                                                   |
| Face Detection           | Yes                                                                                                                                                                |
| People Counting          | Yes                                                                                                                                                                |
| Heat Map                 | Yes                                                                                                                                                                |
| Video Metadata           | Motor vehicle, non-motor vehicle, face, human detection;<br>For example: Human: Age, Bag, Hat, Pants Color, Pants Type, Gender, Clothing Color, Clothing, Umbrella |
| AI Search                | Work together with NVR                                                                                                                                             |
| Video                    |                                                                                                                                                                    |

## Pro AI Series | IPC-DF2549C-AS-PV-S2

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Compression       | H.264H; H.264M; H.264B; H.265                                            |
| Smart Compression | H.264H+; H.264M+; H.264B+; H.265+                                        |
| Video Frame Rate  | Main Stream: 5MP (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               | 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  | Yes                                                                      |
| Two-way talk      | Yes                                                                      |
| Audio Compression | G.711a; G.711Mu; G.726; G.726ASF                                         |
| Alarm             |                                                                          |
| Arming/Disarming  | Yes                                                                      |
| Sound Alarm       | Yes                                                                      |
| Light Alarm       | Red and Blue LED Light                                                   |
| 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                                       |

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

Pro AI Series| IPC-DF2549C-AS-PV-S2

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Management Software  | PC Software(SVMS), APP                            |
| Mobile Client        | IOS; Android                                      |
| Port                 |                                                   |
| Audio Input          | NA(1 channel optional)                            |
| Audio Output         | NA(1 channel optional)                            |
| Alarm Input          | NA(1 channel optional)                            |
| Alarm Output         | NA(1 channel optional)                            |
| Power                |                                                   |
| Power Supply         | 12V DC (±30%)/PoE (802.3af)                       |
| Power Consumption    | Basic: 2.8 W; Max. 5.5W                           |
| 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, IK10                                        |
| Structure            |                                                   |
| Casing               | Metal                                             |
| Dimensions           | 102 mm × Φ122 mm                                  |
| Net Weight           | 490g                                              |

Camera Structure and Dimensions

