

SPRO[®] IP

COLOUR NIGHT STARLIGHT

DHIPPD40/36L-DUO

4MP DUO IP PANORAMIC CAMERA
WITH AI-PRO & COLOUR NIGHT



Key Features:

- 2 x 4 megapixel 3.6mm lens
- 180° panoramic splicing image
- Colour night (up to 40m white light)
- Microphone & speaker built-in
- 2 way audio (AOC)
- Alarm : 1 input & 1 output
- Audio : 1 in (or use built-in mic) & 1 out
- Super Starlight technology
- Perimeter protection : intrusion & tripwire
- People counting & smart object detection
- Classification of human & vehicle
- E-PTZ : Enlarge & track the targets of intelligent alarms
- Support up to 512GB micro SD card
- IP67 waterproof
- DC12V/POE+



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|-----------------|---------------------|
| Model Number | DHIPPD40/36L-DUO |
| Image Sensor | Dual 1/1.8" CMOS |
| Max Resolution | 4096 (H) x 1800 (V) |
| ROM | 128 MB |
| RAM | 1GB |
| Scanning System | Progressive |

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| Electronic Shutter Speed | Auto / Manual 1/3 s-1/100,000 s |
| Min. Illumination | 0.0005 lux@F1.0 (Colour, 30 IRE) 0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on) |
| S/N Ratio | >56 dB |
| Illumination Distance | 40m (131.23 ft) |
| Illuminator On/Off Control | Auto |
| Illuminator Number | 4 (Warm Light) |
| Pan / Tilt / Rotation Range | Pan: 0°-360° / Tilt: 4°-90° / Rotation: 0°-360° |

Lens

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| Lens Type | Fixed-focal |
| Lens Mount | M16 |
| Focal Length | 3.6 mm |
| Field of View | Horizontal: 180°; Vertical: 48° |
| Max. Aperture | F1.0 |
| Iris Control | Fixed |
| Close Focus Distance | 3.6 m (11.81 ft) |
| DORI Distance | Detect: 70.3 m (230.64 ft) Observe: 28.1 m (92.19 ft) Recognise: 14.1 m (46.26 ft) Identify: 7.0 m (22.97 ft) |

Intelligence

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| IVS (Perimeter Protection) | Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection |
| Heat Map | Yes |
| Smart Object Detection | Smart abandoned object; smart missing object |
| People Counting | Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm. |

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| Video | |
|------------------------------------|---|
| Video Compression | H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream) |
| Smart Codec | Smart H.265+; Smart H.264+ |
| AI Coding | AI H.265; AI H.264 |
| Video Frame Rate | <p>WDR Off:</p> <p>Main stream: 4096 × 1800 @ (1–25 fps)</p> <p>sub stream: 1024 × 452 @ (1–25 fps)</p> <p>third stream: 1920 × 832 @ (1–25 fps)</p> <p>WDR On:</p> <p>Main stream: 4096 × 1800 @ (1–20 fps)</p> <p>sub stream: 1024 × 452 @ (1–20 fps)</p> <p>third stream: 1920 × 832 @ (1–20 fps)</p> <p>*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.</p> |
| Stream Capability | 3 streams |
| Resolution | 8M (4096 × 1800); 6.5M (3840 × 1680); 4M (3840 × 1080); 4M (2880 × 1264); 1.6M (1920 × 832); 0.7M (1280 × 560); 0.5M (1024 × 452) |
| Bit Rate Control | CBR/VBR |
| Video Bit Rate | H.264: 9 kbps–8192 kbps H.265: 9 kbps–8192 kbps |
| Day/Night | Colour / B/W |
| BLC | Yes |
| HLC | Yes |
| WDR | 140 dB |
| Scene Self-adaptation (SSA) | Yes |
| White Balance | Auto; natural; street lamp; outdoor; manual; regional custom |
| Gain Control | Auto |
| Noise Reduction | 3D NR |
| Motion Detection | OFF/ON (4 areas, rectangular) |

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|---------------------------------|---|
| Region of Interest (RoI) | Yes (4 areas) |
| Privacy Masking | 4 areas |
| Defog | Yes |
| Audio | |
| Built-in MIC | Yes |
| Audio Compression | G.711a; G.711Mu; PCM; G.726; G.723 |
| Alarm | |
| Alarm Event | No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; SMD; people counting in area; stay detection; people counting; security exception |
| Network | |
| Network Port | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| Cyber Security | Video encryption; Firmware encryption; Configuration encryption; Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification; syslog; HTTPS; 802.1x; Trusted boot; Trusted execution; Trusted upgrade |
| Network Protocol | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; Bonjour |
| Interoperability | ONVIF (Profile S/Profile G/Profile T); CGI; Milestone |
| User/Host | 20 (Total bandwidth: 80M) |
| Storage | FTP; SFTP; Micro SD card (support max.512 GB); NAS |
| Browser | IE: IE 8 and later; Chrome; Firefox |
| Management Software | DMSS |
| Mobile Client | iOS; Android |

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Certification

Certifications

CE-LVD: EN62368-1

CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU

FCC: 47 CFR FCC Part 15, Subpart B

UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Port

Audio Input 1 channel (RCA port)

Audio Output 1 channel (RCA port)

Alarm Input 1 channel in: 5mA 3 V-5 VDC

Alarm Output 1 channel out: 300mA 12 VDC

Power

Power Supply 12 VDC ($\pm 30\%$)/PoE+ (802.3at)/ePoE

Power Consumption Basic: 4.8 W (12 VDC); 5.5 W (PoE)

Max. (WDR + intelligence + warm light + SPK): 10.5W (12 VDC);

11.8 W (PoE)

Environment

Operating Temperature $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)

Operating Humidity $\leq 95\%$

Storage Temperature $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)

Protection IP67

Structure

Casing Metal

Product Dimensions $\Phi 122\text{ mm} \times 131.9\text{ mm}$ ($\Phi 4.80\text{''} \times 5.19\text{''}$)

Net Weight 990 g (2.18 lb)

Gross Weight 1150 g (2.54 lb)

Dimensions (mm[inch])

