

SPRO[®] IP

DHIPD50/28RG/30-M-E

5 MEGAPIXEL IP TURRET CAMERA



5 MEGAPIXEL



2.8MM



30m IR



MICROPHONE



IP67



ONVIF

Key Features:

- 5 Megapixel progressive scan CMOS
- H.265 & H.264 dual-stream encoding
- 5M@20fps(2880×1620)
- Microphone Built-in (Directional)
- 2.8mm fixed lens
- Max. IR LEDs Length 30m
- IP67 waterproof
- DC 12V / POE



SPECIFICATIONS

| | |
|---------------------------------|---|
| Model Number | DHIPD50/28RG/30-M-E |
| Image Sensor | 1/2.7" CMOS |
| Max. Resolution | 2880 (H) × 1620 (V) |
| ROM | 16 MB |
| RAM | 128 MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s |
| Min. Illumination | 0.03 Lux@F2.0 (Color, 30 IRE) 0.003 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on) |

(continued)

| | |
|-----------------------------------|---|
| S/N Ratio | > 56 dB |
| Illumination Distance | 30 m (98.43 ft) (IR) |
| Illuminator On/Off Control | Auto/Manual |
| Illuminator Number | 1 (IR LED) |
| Pan/Tilt/Rotation Range | Pan: 0°–360° / Tilt: 0°–78° / Rotation: 0°–360° |

Lens

| | |
|-----------------------------|---|
| Lens Type | Fixed-focal |
| Lens Mount | M12 |
| Focal Length | 2.8 mm |
| Max. Aperture | F2.0 |
| Field of View | Horizontal: 106°; Vertical: 56°; Diagonal: 125° |
| Iris Control | Fixed |
| Close Focus Distance | 0.8 m (2.62 ft) |

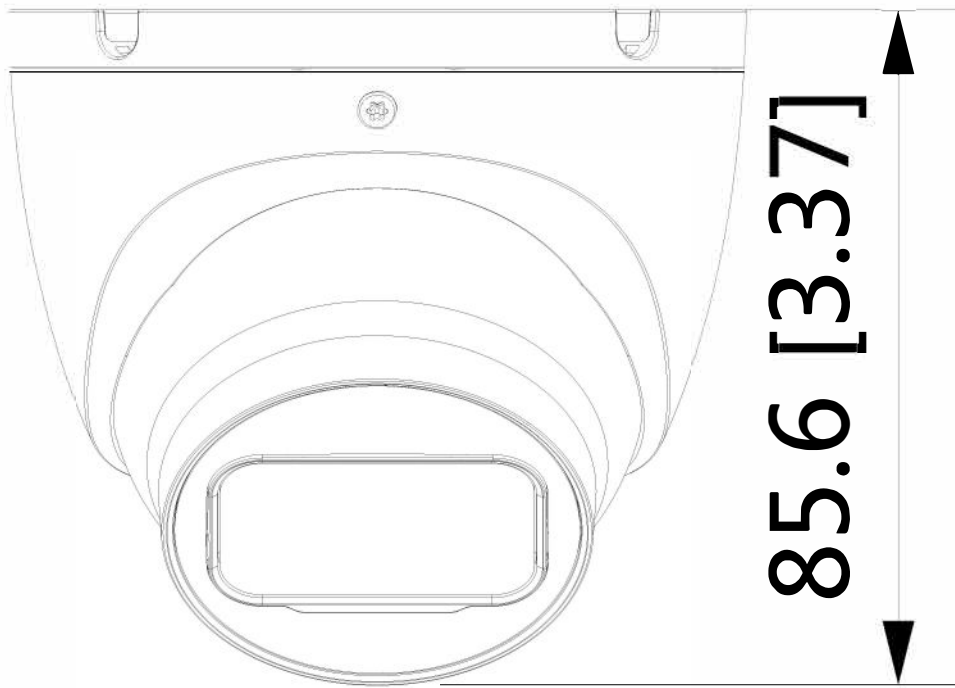
| | | | | | |
|----------------------|---------------|--------|---------|-----------|----------|
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | 2.8 mm | 56.0 m | 22.4 m | 11.2 m | 5.6 m |

Video

| | |
|--------------------------|---|
| Video Compression | H.265; H.264; H.264B; MJPEG (only supported by the sub stream) |
| Smart Codec | Smart H.265+; Smart H.264+ |
| Video Frame Rate | Main stream: 2880 × 1620 (1 fps–20 fps), 2688 × 1520 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps), 704 × 480 (1 fps–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity. |
| Stream Capability | 2 streams |
| Resolution | 2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) |

| | |
|---------------------------------|---|
| Bit Rate Control | CBR/VBR |
| Video Bit Rate | H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps |
| Day/Night | Auto (ICR)/Color/B/W |
| BLC | Yes |
| HLC | Yes |
| WDR | DWDR |
| White Balance | Auto; natural; street lamp; outdoor; manual; regional custom |
| Gain Control | Auto; manual |
| Noise Reduction | 3D NR |
| Motion Detection | OFF/ON (4 areas, rectangular) |
| Region of Interest (RoI) | Yes (4 areas) |
| Smart Illumination | Yes |
| Image Rotation | 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution & lower) |
| Mirror | Yes |
| Privacy Masking | 4 areas |
| Audio | |
| Built-in MIC | Yes |
| Audio Compression | G.711a; G.711Mu; G.726; PCM |
| Alarm | |
| Alarm Event | Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception |
| Network | |
| Network Port | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| Cyber Security | Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade. |
| Network Protocol | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast |

| | |
|------------------------------|--|
| Interoperability | ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone |
| User/Host | 6 (Total bandwidth: 48 M) |
| Storage | FTP |
| Browser | IE, Chrome, Firefox |
| Management Software | DMSS |
| Mobile Client | iPhone, iPad & Android |
| Certification | |
| Certifications | CE-LVD: EN62368-1, CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU, FCC: 47 CFR FCC Part 15, Subpart B |
| Power | |
| Power Supply | 12V DC/PoE (802.3af) |
| Power Consumption | Basic: 1.7 W (12V DC); 2.5W (PoE) Max. (ICR + H.265 + max. resolution + main stream + DWDR + IR intensity): 3.7 W (12V DC); 4.5 W (PoE) |
| Environment | |
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |
| Operating Humidity | ≤ 95% |
| Storage Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |
| Protection | IP67 |
| Structure | |
| Casing | Metal |
| Product Dimensions | 85.6 mm × Φ94.0 mm (3.4" × Φ3.7") |
| Net Weight | 0.32 kg (0.71 lb) |
| Gross Weight | 0.43 kg (0.95 lb) |



mm[inch]

$\varnothing 94$ [$\varnothing 3.7$]

$\varnothing 68.5$ [$\varnothing 2.7$]

$\varnothing 4.5$ [$\varnothing 0.18$]

