

# SPRO®

## DHD50/28LRW-4-M

5MP Smart Dual Illumination Eyeball Camera



5 MEGAPIXEL



2.8 MM



40m IR



MICROPHONE



IP67

COLOUR NIGHT 2.0

SMART DUAL ILLUMINATION

AUDIO

OVER CO-AX CABLE

### Key Features:

- Max 25fps@5MP (16:9 video output)
- 120dB true WDR, 3D NR
- Smart dual Illumination
- 40m Illumination distance
- Built-in MIC
- 2.8 mm fixed lens
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12VDC

**This camera Smart Dual Illumination is compatible with the following DVR models:**

DHDVR06-B5-V3

DHDVR06-B6-V2

DHDVR12-B5-V3

DHDVR12-B6

DHDVR24-B5-V3

DHDVR24-B6

DHDVR32-B5

DHDVR24-B6-2H-V2

DHDVR32-B6

### SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Model Number             | DHD50/28LRW-4-M   |
| Image Sensor             | 5MP CMOS  |
| Max. Resolution          | 2880 (H) x 1620 (V)   |
| Pixel                    | 5 MP  |
| Scanning System          | Progressive   |
| Electronic Shutter Speed | PAL: 1/3 s–1/100000 s<br>NTSC: 1/4 s–1/100000 s   |
| S/N Ratio                | > 65 dB   |
| Min. Illumination        | 0.001 lux@F1.0 (Color, 30 IRE);<br>0.0001 lux@F1.0 (B/W, 30 IRE);<br>0 lux (Illuminator on) |

(continued)

|                                   |  |
|-----------------------------------|--|
| <b>Illumination Distance</b>      | IR: 40 m (131.23 ft); Warm light: 40 m (131.23 ft) |
| <b>Illuminator On/Off Control</b> | Auto; manual                                       |
| <b>Illuminator Number</b>         | 2 (IR light); 2 (Warm light)                       |
| <b>Pan/Tilt/Rotation Range</b>    | Pan: 0°–360°<br>Tilt: 0°–78°<br>Rotation: 0°–360°  |

## Lens

|                             |                           |
|-----------------------------|---------------------------|
| <b>Lens Type</b>            | Fixed-focal               |
| <b>Mount Type</b>           | M12                       |
| <b>Focal Length</b>         | 2.8mm;                    |
| <b>Max. Aperture</b>        | F1.0                      |
| <b>Field of View</b>        | 2.8mm:H:111° V:57° D:131° |
| <b>Iris Control</b>         | Fixed                     |
| <b>Close Focus Distance</b> | 2.8 mm: 1.5 m (4.92 ft)   |

| <b>DORI</b>     | Lens  | Detect            | Observe          | Recognize        | Identify        |
|-----------------|-------|-------------------|------------------|------------------|-----------------|
| <b>Distance</b> | 2.8mm | 66.0m (216.54 ft) | 26.4m (86.61 ft) | 13.2m (43.31 ft) | 6.6m (21.65 ft) |

## Video

|                   |  |
|-------------------|--|
| <b>Frame Rate</b> | CVI:<br>PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps<br>NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps<br>AHD:<br>PAL: 4M@25 fps;<br>NTSC: 4M@30 fps;<br>TVI:<br>PAL: 4M@25 fps;<br>NTSC: 4M@30 fps;<br>CVBS:<br>PAL: 960H;<br>NTSC: 960H |
|-------------------|--|

|                          |  |
|--------------------------|--|
| <b>Resolution</b>        | 5M (2880 × 1620);<br>4M (2560 × 1440);<br>1080p (1920 × 1080);<br>960H (960 × 576/960 × 480) |
| <b>Day/Night</b>         | Auto (ICR)/Colour/B/W  |
| <b>BLC</b>               | BLC/HLC/WDR/HLC-Pro  |
| <b>WDR</b>               | 120 dB   |
| <b>White Balance</b>     | Auto; Area White Balance   |
| <b>Gain Control</b>      | Auto/Manual  |
| <b>Noise Reduction</b>   | 3D NR  |
| <b>Defog</b>             | Electronic defog   |
| <b>Digital Zoom</b>      | 4x   |
| <b>Mirror</b>            | Yes  |
| <b>Privacy Masking</b>   | Off/On (8 areas, rectangle)  |
| <b>Illumination Mode</b> | Smart IR&WL; WL Mode; IR Mode  |

#### Certifications

|                       |   |
|-----------------------|---|
| <b>Certifications</b> | CE (EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013,<br>EN55024:2010+A1:2015, EN55035:2017, EN50130-4:2011+A1:2014,<br>EN62368-1:2014+A11:2017)<br>FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014)<br>UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14) |
|-----------------------|---|

#### Port

|                     |  |
|---------------------|--|
| <b>Video Output</b> | Video output choices of CVI/TVI/AHD/CVBS by one BNC port |
| <b>Audio Input</b>  | One channel built-in MIC                                 |

#### Power

|                          |                            |
|--------------------------|----------------------------|
| <b>Power Supply</b>      | 12 VDC ± 30%               |
| <b>Power Consumption</b> | Max 5.7 W (12 VDC, LED on) |

#### Environment

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Operating Temperature</b> | -40 °C to +60 °C (-40 °F to 140 °F) |
| <b>Operating Humidity</b>    | < 95% (RH), non-condensing          |
| <b>Storage Temperature</b>   | -40 °C to +60 °C (-40 °F to 140 °F) |
| <b>Protection</b>            | IP67                                |

**Structure**

|                             |  |
|-----------------------------|--|
| <b>Casing Material</b>      | Metal  |
| <b>Product Dimensions</b>   | Φ106.0 mm × 93.6 mm (Φ4.17" × 3.69")             |
| <b>Packaging Dimensions</b> | 148 mm × 139 mm × 137 mm (5.83" × 5.47" × 5.39") |
| <b>Net Weight</b>           | 0.49 kg (1.08lb)                                 |
| <b>Gross Weight</b>         | 0.66 kg (1.46 lb)                                |
| <b>Installation</b>         | Wall mount; ceiling mount; vertical pole mount   |

**Dimensions (mm[inch])**

