

**SPRO®**

**COLOURNIGHT**

## DHD80/28LW/40-M-D

8MP ColourNight Turret Camera with Active Deterrence



8 MEGAPIXEL



2.8 MM



40m LED



MICROPHONE



IP67



### Key Features:

- 8 megapixel
- 2.8mm Lens
- Up to 40m LED distance (smart LED)
- Microphone built-in (audio over CAT5e cable)
- IP67 waterproof
- 12V±30% DC



### SPECIFICATIONS

|                          |                                              |
|--------------------------|----------------------------------------------|
| Model Number             | DHD80/28LW/40-M-D                            |
| Image Sensor             | 1/2.8" CMOS                                  |
| Effective Pixels         | 3840(H)×2160(V)                              |
| Pixel                    | 8MP (4K)                                     |
| Scanning System          | Progressive                                  |
| Electronic Shutter Speed | PAL: 1/3s–1/100000 s, NTSC: 1/4 s–1/100000 s |
| S/N Ratio                | > 65 dB                                      |
| Min. Illumination        | 0.005 Lux/F1.6, 0 Lux warm light on          |
| Illumination Distance    | 40 m                                         |

(continued)

|                                   |                                                          |
|-----------------------------------|----------------------------------------------------------|
| <b>Illumination Type</b>          | Warm light                                               |
| <b>Illuminator On/Off Control</b> | Auto/Manual                                              |
| <b>Illuminator Number</b>         | 2 (Warm light)                                           |
| <b>Pan/Tilt/Rotation Range</b>    | Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360° |

### Lens

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| <b>Lens Type</b>            | Fixed focal                                                           |
| <b>Mount Type</b>           | M12                                                                   |
| <b>Focal Length</b>         | 2.8 mm                                                                |
| <b>Max. Aperture</b>        | F1.6                                                                  |
| <b>Field of View</b>        | Horizontal:107°; vertical: 56°; diagonal: 127°                        |
| <b>Iris Type</b>            | Fixed                                                                 |
| <b>Close Focus Distance</b> | 1.5m(4.92ft)                                                          |
| <b>DORI Distance</b>        | Detect: 87.7m   Observe: 35.1 m   Recognize: 17.5 m   Identify: 8.8 m |

### Active Deterrence

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| <b>Red/Blue Light Warning</b> | Flash: 5 s–30 s; frequency: high/ medium/ low                         |
| <b>Sound Warning</b>          | Audio 1/2/3; Volume: high/ medium/ low;<br>duration: 5 s–30 s; 110 dB |

### Video

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| <b>Video Frame Rate</b> | <b>CVI:</b> 4K@15fps/25fps/30fps, 4M@25fps/30fps;<br><b>AHD:</b> 4K@15fps; <b>TVI:</b> 4K@15fps; |
| <b>Resolution</b>       | 4K(3840×2160);4M(2560×1440)                                                                      |
| <b>BLC Mode</b>         | BLC/HLC/DWDR                                                                                     |
| <b>WDR</b>              | DWDR                                                                                             |
| <b>White Balance</b>    | Auto/ Manual                                                                                     |
| <b>Gain Control</b>     | Auto/Manual                                                                                      |
| <b>Noise Reduction</b>  | 2D                                                                                               |
| <b>Smart Light</b>      | Yes                                                                                              |
| <b>Mirror</b>           | Off/On                                                                                           |
| <b>Privacy Masking</b>  | Off/On (8 Area, Rectangle)                                                                       |

| Certification        |                                                                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications       | CE (EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014)<br>FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)<br>IEC 62368-1:2014 (Second Edition) |
| Port                 |                                                                                                                                                                                                               |
| Video Output         | 1 BNC output, Support CVI/TVI/AHD                                                                                                                                                                             |
| Audio Input          | Built-in mic                                                                                                                                                                                                  |
| Alarm out            | 1ch alarm out                                                                                                                                                                                                 |
| General              |                                                                                                                                                                                                               |
| Power Supply         | 12V ±30% DC                                                                                                                                                                                                   |
| Power Consumption    | Max 7.7W (12V DC, warm light on)                                                                                                                                                                              |
| Operating Conditions | −40°C to +60°C (−40°F to 140°F); <95% (non-condensation)                                                                                                                                                      |
| Storage Conditions   | −40°C to +60°C (−40°F to 140°F); <95% (non-condensation)                                                                                                                                                      |
| Ingress Protection   | IP67                                                                                                                                                                                                          |
| Casing               | Metal                                                                                                                                                                                                         |
| Dimensions           | Φ122.0 mm × 110.9 mm (Φ4.8" × 4.4")                                                                                                                                                                           |
| Net Weight           | 0.69 kg (1.52 lb)                                                                                                                                                                                             |
| Gross Weight         | 0.95 kg (2.01 lb)                                                                                                                                                                                             |

