

## 5MP 16:9 Full-Colour Turret Camera

CODE: EAGLE-5COL-TUR2-FW



- Max 25 fps@5MP (16:9 video output)
- 120 dB true WDR, 3D NR
- 24/7 colour imaging
- 40 m illumination distance
- CVI/CVBS/AHD/TVI switchable
- Built-in mic (-A)
- 2.8 mm fixed lens
- IP67, 12 V DC



### Functions

#### Full-colour

This full-colour camera features a large aperture lens and high performance sensor. With a high amount of absorbed light and advanced image processing algorithm, the camera provides 24/7 colour monitoring that collects clear and vivid information, significantly increasing probability of gathering human, vehicle, and event evidence that can be used for further intelligent analysis.

#### Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

#### Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, this HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark areas get clear video even in high brightness environments or with backlight shadow.

#### Advanced 3D NR

3D NR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. The advanced 3D NR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3D NR effectively decreases the band width and saves the storage space.

#### Warm Supplemental Lights

With warm supplemental LED lights, the camera is able to provide a colourful and vivid image even in total darkness. By default, the camera is set to smart light mode, in which the camera can automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposure of objects in the image center.

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

#### Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700 m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300 m via UTP cable.

#### Protection (IP67, Wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof functionality and the enclosure works as normal after soaking in 1m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environments with instable voltage.

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HD  
ANALOGUE



## Technical Specification

### Camera

|                            |   |
|----------------------------|---|
| Image Sensor               | 5MP COMS  |
| Max. Resolution            | 2880 (H) × 1620 (V)                                 |
| Pixel                      | 5MP   |
| Scanning System            | Progressive   |
| Electronic Shutter Speed   | PAL: 1/25 s–1/100,000 s<br>NTSC: 1/30 s–1/100,000 s |
| S/N Ratio                  | > 65 dB   |
| Min. Illumination          | 0.001 Lux/F1.0, 0 Lux warm light on                 |
| White Light Distance       | 40 m (131.2 ft)                                     |
| White Light On/Off Control | Auto; manual  |
| White Light Number         | 2   |
| Pan/Tilt/Rotation Range    | Pan: 0°–360°<br>Tilt: 0°–78°<br>Rotation: 0°–360°   |

### Lens

|                      |                                  |                      |                     |                     |                    |
|----------------------|----------------------------------|----------------------|---------------------|---------------------|--------------------|
| Lens Type            | Fixed lens                       |                      |                     |                     |                    |
| Mount Type           | M12                              |                      |                     |                     |                    |
| Focal Length         | 2.8 mm                           |                      |                     |                     |                    |
| Max. Aperture        | F1.0                             |                      |                     |                     |                    |
| Field of View        | 2.8 mm: H: 112°; V: 57°; D: 132° |                      |                     |                     |                    |
| Iris Type            | Fixed iris                       |                      |                     |                     |                    |
| Close Focus Distance | 2.8 mm: 1.6 m (5.25 ft)          |                      |                     |                     |                    |
| DORI Distance        | Lens                             | Detect               | Observe             | Recognize           | Identify           |
|                      | 2.8 mm                           | 67.4 m<br>(212.3 ft) | 27.0 m<br>(88.6 ft) | 13.5 m<br>(44.3 ft) | 6.7 m<br>(22.0 ft) |

### Video

|               |  |
|---------------|--|
| Frame Rate    | 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 |
| Resolution    | 5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)  |
| BLC           | BLC/HLC/WDR/HLC-Pro  |
| WDR           | 120 dB   |
| White Balance | Auto; manual   |

|                 |                             |
|-----------------|-----------------------------|
| Gain Control    | Auto; manual                |
| Noise Reduction | 3D NR                       |
| Smart Light     | Yes                         |
| Mirror          | Off/On                      |
| Privacy Masking | Off/On (8 areas, rectangle) |

### Certifications

|                |  |
|----------------|--|
| Certifications | CE (EN55032, EN55024, EN50130-4, EN60950-1)<br>FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)<br>UL (UL60950-1+CAN/CSA C22.2 No.60950-1) |
|----------------|--|

### Port

|              |  |
|--------------|--|
| Video Output | Video output choices of CVI/TVI/AHD/CVBS by one BNC port |
| Audio Input  | One channel built-in mic (-A)                            |

### Power

|                   |                                    |
|-------------------|------------------------------------|
| Power Supply      | 12 V ±30% DC                       |
| Power Consumption | Max 6.4 W (12 V DC, warm light on) |

### Environment

|                       |  |
|-----------------------|--|
| Operating Temperature | –40 °C to +60 °C (–40 °F to +140 °F); < 95% (non-condensation) |
| Storage Temperature   | –40 °C to +60 °C (–40 °F to +140 °F); < 95% (non-condensation) |
| IP Rating             | IP67   |

### Structure

|                   |                                      |
|-------------------|--------------------------------------|
| Casing            | Metal throughout the whole casing    |
| Camera Dimensions | φ106.0 mm × 93.6 mm (φ4.17" × 3.69") |
| Net Weight        | 0.46 kg (1.01 lb)                    |
| Gross Weight      | 0.61 kg (1.34 lb)                    |

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## Dimensions (mm[inch])

