

# EAGLE4C-IP-BUL-FW

## 4MP FULL-COLOUR FIXED NETWORK BULLET



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in warm lights, max. illumination distance: 30 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Built-in Mic
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power supply
- IP67 protection



### Series Overview

With upgraded H.265 encoding technology, this network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest full-colour technology and displays colour image in conditions of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying to the standards of IP67.

### Functions

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes a higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### Full-colour

With a high-performance sensor and large aperture lens, Full-colour technology can display clear colourful footage in the environment of ultra-low illuminance. With this photosensitivity technology, the camera can capture more available light, and display colourful image details.

### WDR

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

### IVS

With advanced video algorithm, IVS technology supports intelligent functions, such as tripwire and intrusion.

### 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 1 m deep water for 30 minutes.

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

## Technical Specification

### Camera

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Image Sensor               | 1/3"4Megapixel progressive CMOS                   |
| Max. Resolution            | 2688 (H) × 1520 (V)                               |
| ROM                        | 128 MB                                            |
| RAM                        | 128 MB                                            |
| Scanning System            | Progressive                                       |
| Electronic Shutter Speed   | Auto/Manual 1/3 s–1/100,000 s                     |
| Minimum Illumination       | 0.004 Lux@F1.0                                    |
| S/N Ratio                  | > 56 dB                                           |
| Illumination Distance      | 30 m (98.4 ft)                                    |
| Illuminator On/Off Control | Auto/Manual                                       |
| Illuminator Number         | 1 (Warm light)                                    |
| Pan/Tilt/Rotation Range    | Pan: 0°–360°<br>Tilt: 0°–90°<br>Rotation: 0°–360° |

### Lens

|                      |                                                             |                   |                  |                  |                 |
|----------------------|-------------------------------------------------------------|-------------------|------------------|------------------|-----------------|
| Lens Type            | Fixed-focal                                                 |                   |                  |                  |                 |
| Mount Type           | φ14                                                         |                   |                  |                  |                 |
| Focal Length         | 2.8 mm                                                      |                   |                  |                  |                 |
| Max. Aperture        | 2.8 mm: F1.0                                                |                   |                  |                  |                 |
| Field of View        | 2.8 mm: 96° (Horizontal) × 51° (Vertical) × 115° (Diagonal) |                   |                  |                  |                 |
| Iris Type            | Fixed                                                       |                   |                  |                  |                 |
| Close Focus Distance | 2.8 mm: 1.3 m (4.3 ft)                                      |                   |                  |                  |                 |
| DORI Distance        | Lens                                                        | Detect            | Observe          | Recognize        | Identify        |
|                      | 2.8mm                                                       | 56.0 m (183.7 ft) | 22.4 m (73.5 ft) | 11.2 m (36.7 ft) | 5.6 m (17.1 ft) |
|                      | 3.6mm                                                       | 72.0 m (236.2 ft) | 28.8 m (94.5 ft) | 14.4 m (47.2 ft) | 7.2 m (23.6 ft) |

### Smart event

|                       |                     |
|-----------------------|---------------------|
| General IVS Analytics | Tripwire; intrusion |
|-----------------------|---------------------|

### 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:<br>2688 × 1520 (1 fps–25/30 fps)<br>2560 × 1440 (1 fps–25/30 fps)<br>Sub stream:<br>704 × 576 (1 fps–20/25 fps)<br>704 × 480 (1 fps–20/30 fps) |
| Stream Capability | 2 streams                                                                                                                                                   |

|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution              | 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 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<br>H.265: 12 kbps–6144 kbps                                                                                                                                                             |
| Day/Night               | Colour/B/W                                                                                                                                                                                                       |
| BLC                     | Yes                                                                                                                                                                                                              |
| HLC                     | Yes                                                                                                                                                                                                              |
| WDR                     | 120 dB                                                                                                                                                                                                           |
| White Balance           | Auto/natural/street lamp/outdoor/manual/regional custom                                                                                                                                                          |
| Gain Control            | Auto/Manual                                                                                                                                                                                                      |
| Noise Reduction         | 3D DNR                                                                                                                                                                                                           |
| 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 and lower.)                                                                                                                                         |
| Mirror                  | Yes                                                                                                                                                                                                              |
| Privacy Masking         | 4 areas                                                                                                                                                                                                          |
| Audio                   |                                                                                                                                                                                                                  |
| Built-in MIC            | Yes                                                                                                                                                                                                              |
| Audio Compression       | G.711A; G.711Mu; G.726; AAC                                                                                                                                                                                      |
| Alarm                   |                                                                                                                                                                                                                  |
| Alarm Event             | No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception        |
| Network                 |                                                                                                                                                                                                                  |
| Network                 | RJ-45 (10/100 Base-T)                                                                                                                                                                                            |
| SDK and API             | Yes                                                                                                                                                                                                              |
| Protocol                | HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP; Bonjour                                                      |
| Interoperability        | ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec                                                                                                                                              |
| User/Host               | 20 (Total bandwidth: 72 M.)                                                                                                                                                                                      |
| Storage                 | Dahua Cloud; FTP; Micro SD card (support max. 256 G); NAS; SFTP                                                                                                                                                  |
| Browser                 | IE<br>Chrome<br>Firefox                                                                                                                                                                                          |
| Management Software     | Smart PSS; DSS; DMSS                                                                                                                                                                                             |
| Mobile Phone            | iOS; Android                                                                                                                                                                                                     |

## Certification

|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Certifications | CE-LVD: EN62368-1<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU<br>FCC: 47 CFR FCC Part 15, Subpart B |
|----------------|-----------------------------------------------------------------------------------------------------------------------|

## Power

|                   |                      |
|-------------------|----------------------|
| Power Supply      | 12V DC/PoE (802.3af) |
| Power Consumption | < 6.2W               |

## Environment

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Operating Conditions | -40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH |
| Storage Temperature  | -40°C to +60°C (-40°F to +140°F)                    |
| Protection Grade     | IP67                                                |

## Structure

|              |                                     |
|--------------|-------------------------------------|
| Casing       | metal                               |
| Dimensions   | 100.9 mm × Φ109.9 mm (4.0" × Φ4.3") |
| Net Weight   | 0.365 kg (0.8 lb)                   |
| Gross Weight | 0.527 kg (1.2 lb)                   |

## Dimensions (mm[inch])

