

# IPC-HDBW2441R-ZS

DAHUA - IPC-HDBW2441R-ZS - 4MP NETWORK KAMERA



## Specifications

|                       |                  |
|-----------------------|------------------|
| Model                 | IPC-HDBW2441R-ZS |
| Brand                 | Dahua            |
| Növ                   | IP               |
| Meqapixel             | 4 MP             |
| Obyektiv              | Motorized        |
| Fokus                 | 2.7 - 13.5mm     |
| ???qland?rma          | İR               |
| ???qland?rma m?saf?si | 40 m             |
| Qoruma                | IP67             |
| Material              | Metal            |
| Yadda?                | MicroSD          |
| ?? mühiti             | Indoor           |

KEY FEATURES

Camera

|                 |                     |
|-----------------|---------------------|
| Image Sensor    | 1/2.9" 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 |
|--------------------------|-------------------------------|

|                   |                                |
|-------------------|--------------------------------|
| Min. Illumination | 0.006 lux@F1.5 (Color, 30 IRE) |
|                   | 0.0006 lux@F1.5 (B/W, 30 IRE)  |
|                   | 0 lux (Illuminator on)         |

|           |        |
|-----------|--------|
| S/N Ratio | >56 dB |
|-----------|--------|

|                       |                           |
|-----------------------|---------------------------|
| Illumination Distance | 40 m (131.23 ft) (IR LED) |
|-----------------------|---------------------------|

|                            |              |
|----------------------------|--------------|
| Illuminator On/Off Control | Auto; Manual |
|----------------------------|--------------|

|                    |            |
|--------------------|------------|
| Illuminator Number | 2 (IR LED) |
|--------------------|------------|

|                         |                   |
|-------------------------|-------------------|
| Pan/Tilt/Rotation Range | Pan: 0°–355°      |
|                         | Tilt: 0°–75°      |
|                         | Rotation: 0°–355° |

Lens

|               |                                            |
|---------------|--------------------------------------------|
| Lens Type     | Motorized vari-focal                       |
| Lens Mount    | φ14                                        |
| Focal Length  | 2.7 mm–13.5 mm                             |
| Max. Aperture | F1.5                                       |
| Field of View | H: 104°–29°;<br>V: 54°–16°;<br>D: 125°–34° |

|                      |                 |
|----------------------|-----------------|
| Iris Control         | Fixed           |
| Close Focus Distance | 0.8 m (2.62 ft) |

| DORI Distance | Lens | Detect              | Observe               | Recognize             | Identify             |
|---------------|------|---------------------|-----------------------|-----------------------|----------------------|
|               | W    | 64.0 m (209.97 ft)  | 25.6 m<br>(83.99 ft)  | 12.8 m<br>(41.99 ft)  | 6.4 m<br>(20.99 ft)  |
|               | T    | 210.0 m (688.97 ft) | 84.0 m<br>(275.59 ft) | 42.0 m<br>(137.80 ft) | 21.0 m<br>(68.90 ft) |

DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area.

The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

#### Intelligence

**IVS (Perimeter Protection)** Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)

**Smart Search** Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

**Video Compression** H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)

**Smart Codec**

Smart H.265+

Smart H.264+

**Video Frame Rate**Main stream: 2688 × 1520@(1–20 fps)/2560 × 1440@(1–25/30 fps)

Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 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**

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

H.265: 12 kbps–6144 kbps

**Day/Night** Auto(ICR)/Color/B/W

**BLC** Yes

**HLC** Yes

**WDR** 120 dB

**White Balance** Auto; natural; street lamp; outdoor; manual; regional custom

**Gain Control** Manual;Auto

**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 and lower)

**Mirror** Yes

**Privacy Masking** 4 areas

#### Audio

**Built-in MIC** Yes

**Audio Compression** G.711a; G.711Mu; G.726; PCM

#### Alarm

#### Alarm Event

No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection;

video tampering; tripwire; intrusion; audio detection; voltage detection; defocus detection; external alarm (Only - ZAS