

## DS-2CFSP4/4G-SIM#EU 4MP 24/7 Solar 4G PT Camera



Hikvision Solar Camera supports AOV mode, ultra-low power consumption, 24/7 video recording. The package contains solar panel and lithium battery, so it requires NO network or power cables. It is ideal for outdoor HD surveillance of small businesses and private properties, as well as close-range surveillance of roads, parks, estates, farms, plantations, construction sites, etc.

- Support AOV Mode : 24/7 video recording
- 8 W solar panel and 9000 mAh battery
- Support 4G LTE data transmission
- Smart Hybrid Light: 30 m white light and IR
- Motion Detection 2.0: Support person and vehicle detection
- Built-in microphone and speaker, support two-way audio
- Water and dust resistant (IP66)
- Smart Tracking: PT Camera achieves person tracking with Motion Detection 2.0

## ▪ Specification

| Camera                      |                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                                  |
| Max. Resolution             | 2560 × 1440                                                                                                                                 |
| Shutter Time                | 1 s to 1/100,000 s                                                                                                                          |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR                                                                                       |
| Day & Night                 | IR cut filter                                                                                                                               |
| Lens                        |                                                                                                                                             |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                     |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 95.7°, vertical FOV 51.7°, diagonal FOV 113.7°<br>4 mm, horizontal FOV 79.6°, vertical FOV 43.2°, diagonal FOV 93.2° |
| Lens Mount                  | M12                                                                                                                                         |
| Iris Type                   | Fixed                                                                                                                                       |
| Aperture                    | F1.28                                                                                                                                       |
| PTZ                         |                                                                                                                                             |
| Movement Range (Pan)        | 0° to 340°                                                                                                                                  |
| Movement Range (Tilt)       | 0° to 80°                                                                                                                                   |
| Pan Speed                   | Up to 20°/s                                                                                                                                 |
| Tilt Speed                  | Up to 25°/s                                                                                                                                 |
| DORI                        |                                                                                                                                             |
| DORI                        | 2.8 mm D: 63.9 m, O: 25.4 m, R: 12.8 m, I: 6.4 m<br>4 mm D: 77.6 m, O: 30.8 m, R: 15.5 m, I: 7.8 m                                          |
| Illuminator                 |                                                                                                                                             |
| Supplement Light Type       | IR, White Light                                                                                                                             |
| Supplement Light Range      | Up to 30 m                                                                                                                                  |
| Smart Supplement Light      | Yes                                                                                                                                         |
| IR Wavelength               | 850 nm                                                                                                                                      |
| Video                       |                                                                                                                                             |
| Main Stream                 | 50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)                              |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                           |
| H.265 Type                  | Main Profile                                                                                                                                |
| Bit Rate Control            | CBR, VBR                                                                                                                                    |
| Audio                       |                                                                                                                                             |
| Audio Compression           | G.711ulaw                                                                                                                                   |
| Audio Bit Rate              | 64 Kbps (G.711ulaw)                                                                                                                         |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                                |
| Environment Noise Filtering | Yes                                                                                                                                         |
| Network                     |                                                                                                                                             |
| Simultaneous Live View      | Up to 6 channels                                                                                                                            |
| API                         | ISAPI                                                                                                                                       |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                          |
| Client                      | Hik-Connect                                                                                                                                 |

| Mobile Communication             |                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                         | LTE-FDD,LTE-TDD,UMTS                                                                                                                                                                                                                          |
| Frequency                        | EU:LTE-FDD: B1/3/5/7/8/20/28<br>LA:LTE-FDD: B2/3/4/5/7/8/28/66                                                                                                                                                                                |
| Uplink and Downlink Data Rate    | EU: Cat 1, uplink:5.1 Mbps, downlink: 10.3 Mbps, IN: Cat 1, uplink:5.1 Mbps, downlink: 10.3 Mbps, LA: Cat 1, uplink:5.1 Mbps, downlink:10.3Mbps, NA: Cat 4, uplink: 50 Mbps, downlink:150 Mbps, JP: Cat 4, uplink: 50 Mbps, downlink:150 Mbps |
| SIM Card Type                    | Nano SIM                                                                                                                                                                                                                                      |
| Image                            |                                                                                                                                                                                                                                               |
| Image Settings                   | Saturation,brightness,contrast,sharpness,white balance                                                                                                                                                                                        |
| Day/Night Switch                 | Day,Night,Auto,Schedule                                                                                                                                                                                                                       |
| Image Enhancement                | BLC,HLC,3D DNR                                                                                                                                                                                                                                |
| Wide Dynamic Range (WDR)         | Digital WDR                                                                                                                                                                                                                                   |
| Interface                        |                                                                                                                                                                                                                                               |
| On-Board Storage                 | Built-in memory card slot,support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                              |
| Built-in Microphone              | 1 built-in microphone                                                                                                                                                                                                                         |
| Built-in Speaker                 | 1 built-in speaker                                                                                                                                                                                                                            |
| Reset Key                        | Yes                                                                                                                                                                                                                                           |
| Event                            |                                                                                                                                                                                                                                               |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle))                                                                                                                                                     |
| Linkage                          | Upload to FTP/NAS/memory card,notify surveillance center,trigger recording,trigger capture,audible warning                                                                                                                                    |
| General                          |                                                                                                                                                                                                                                               |
| Power                            | 12 V, 0.75 A                                                                                                                                                                                                                                  |
| Material                         | Plastic                                                                                                                                                                                                                                       |
| Dimension                        | 208 mm × 131 mm × 282.7 mm (8.2" × 7.0" × 11.1")                                                                                                                                                                                              |
| Package Dimension                | 386 mm × 201 mm × 225 mm (15.2" × 7.9" × 8.9")                                                                                                                                                                                                |
| Weight                           | Approx. 850 g (1.9 lb.)                                                                                                                                                                                                                       |
| With Package Weight              | Approx. 5400 g (11.9 lb.)                                                                                                                                                                                                                     |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                     |
| General Function                 | Mirror,flash log                                                                                                                                                                                                                              |
| Startup and Operating Conditions | 0 °C to 50 °C (32 °F to 122 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                        |
| Battery                          |                                                                                                                                                                                                                                               |
| Battery Type                     | Lithium                                                                                                                                                                                                                                       |
| Battery Voltage                  | DC 6 V to DC 8.4 V                                                                                                                                                                                                                            |
| Capacity                         | 9000 mAh (3.7 V)                                                                                                                                                                                                                              |
| Max. Charging Voltage            | 8.4 V                                                                                                                                                                                                                                         |
| Max. Output Voltage              | 8.4 V                                                                                                                                                                                                                                         |
| Operating Temperature            | Charging:0 °C to 45 °C (32 °F to 113 °F)<br>Discharging: -20 °C to 55 °C (-4 °F to 131 °F)                                                                                                                                                    |
| Battery Life                     | More than 800 cycles                                                                                                                                                                                                                          |

| Approval    |                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RF          | CE-RED: EN 301489-1 V2.1.1 (BT or 2.4G), EN 301489-17 V3.1.1 (BT or 2.4G), EN 300328 V2.1.1 (BT or 2.4G), EN 62311:2008 (BT or 2.4G)<br>*CE certification is only for the device sold in the European region. |
| EMC         | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,<br>IC: ICES-003: Issue 7,<br>KC: KN32: 2015, KN35: 2015                             |
| Safety      | CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1:2005                                                                                            |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                                              |
| Protection  | IP66: IEC 60529-2013                                                                                                                                                                                          |

## ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

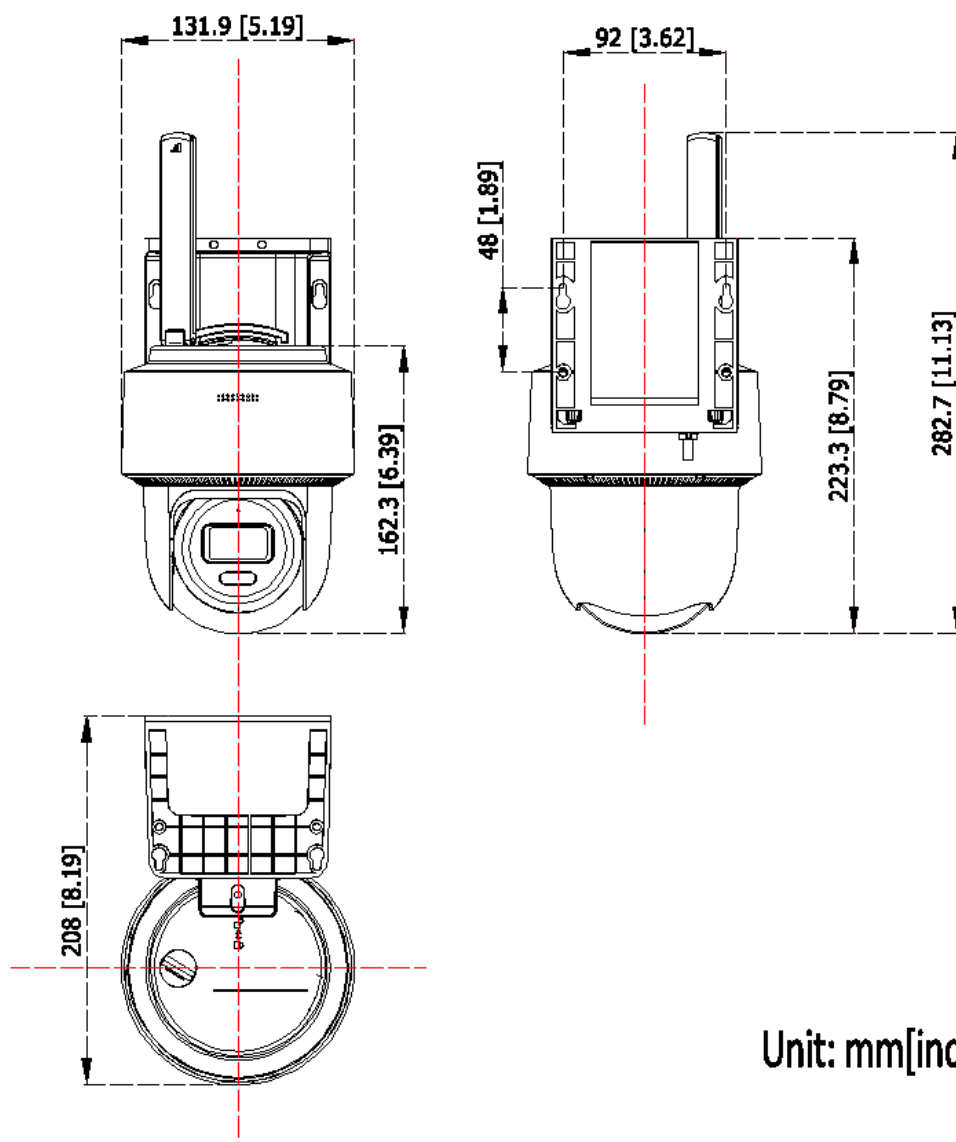
This model has NO SPECIFIC PROTECTION.

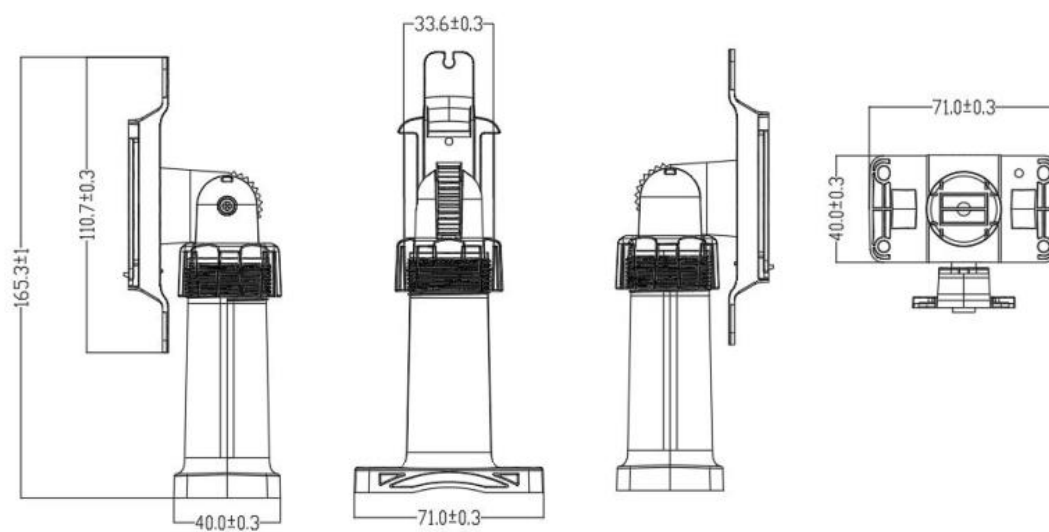
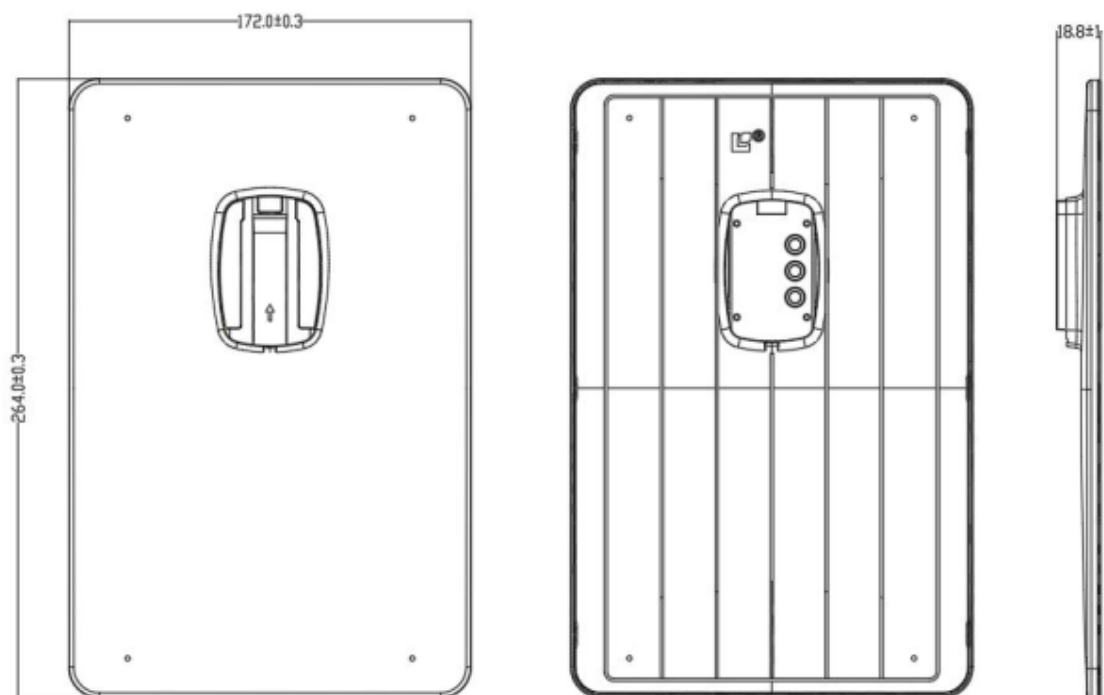
| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.                                             |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Available Model

DS-2CFSP4/4G-SIM(2.8mm)(HIK Europe)

## ▪ Dimension





# See Far, Go Further



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