

## DS-2CFSP8-D/4G 4+4 MP 24/7 Solar 4G Dual-lens PT Camera



It can be used in areas with inconvenient power supply and grid connection or remote areas, and is applied in scenarios with high equipment maintenance costs and strict requirements for equipment stability, such as power transmission lines, water conservancy river systems along rivers, petroleum and petrochemical oil pipelines, forest key areas, 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
- Built-in microphone and speaker, support two-way audio
- Smart Tracking: PT Camera achieves person tracking with Motion Detection 2.0
- Panoramic Details: Wide-angle lens for background information, specific lens for close-up details
- Motion Detection 2.0: Support person and vehicle detection

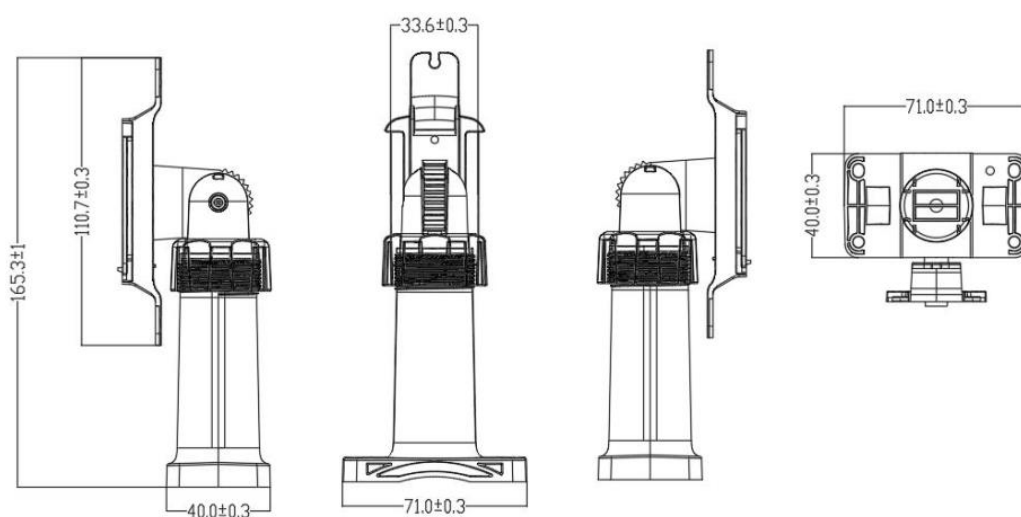
## ▪ Specification

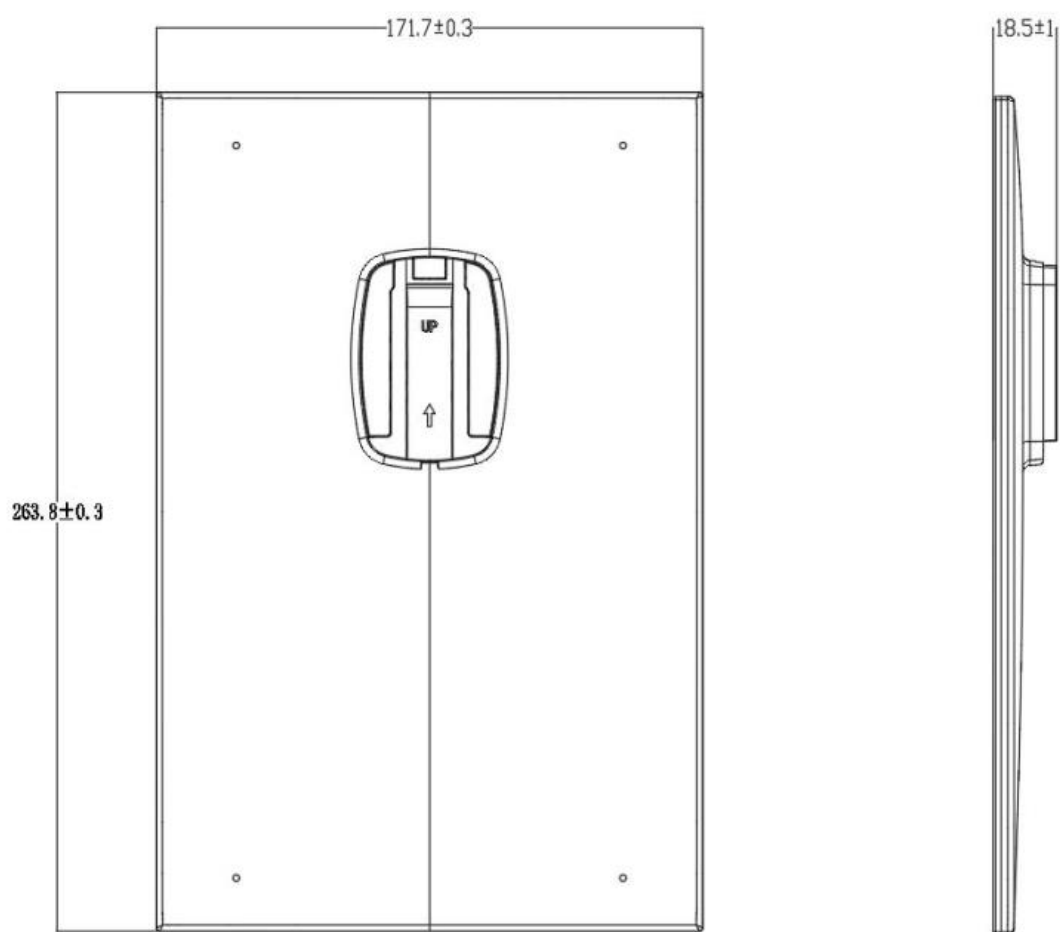
| Camera                 |                                                                                                                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/3" Progressive Scan CMOS                                                                                                                                                                                                                                             |
| Min. Illumination      | Color: 0.005 Lux @ (F1.6, AGC ON)                                                                                                                                                                                                                                      |
| Max. Resolution        | 2560 × 1440                                                                                                                                                                                                                                                            |
| Shutter Time           | 1 s to 1/100,000 s                                                                                                                                                                                                                                                     |
| Day & Night            | IR cut filter                                                                                                                                                                                                                                                          |
| Angle Adjustment       | Pan: -170° to 170°, tilt: 0° to 80°                                                                                                                                                                                                                                    |
| Lens                   |                                                                                                                                                                                                                                                                        |
| Lens Type              | Fixed focal lens<br>Bullet channel: 2.8 mm<br>PT channel: 4 mm                                                                                                                                                                                                         |
| Focal Length & FOV     | 2.8 mm, horizontal FOV 98.2°, vertical FOV 54.2°, diagonal FOV 114.6°<br>4 mm, horizontal FOV 78.8°, vertical FOV 42.3°, diagonal FOV 93.4°                                                                                                                            |
| Aperture               | F1.6                                                                                                                                                                                                                                                                   |
| Lens Mount             | M12                                                                                                                                                                                                                                                                    |
| Iris Type              | Fixed                                                                                                                                                                                                                                                                  |
| DORI                   |                                                                                                                                                                                                                                                                        |
| DORI                   | Bullet channel: 2.8 mm D: 61 m, O: 24 m, R: 12 m, I: 6 m<br>PT channel: 4 mm D: 82 m, O: 32 m, R: 16 m, I: 8 m                                                                                                                                                         |
| Illuminator            |                                                                                                                                                                                                                                                                        |
| Supplement Light Type  | IR, White Light                                                                                                                                                                                                                                                        |
| Supplement Light Range | Up to 30 m                                                                                                                                                                                                                                                             |
| IR Wavelength          | 850 nm                                                                                                                                                                                                                                                                 |
| Smart Supplement Light | Yes                                                                                                                                                                                                                                                                    |
| Video                  |                                                                                                                                                                                                                                                                        |
| Main Stream            | Bullet channel 1:<br>50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>PT channel 2:<br>50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub Stream             | Bullet channel 1:<br>50 Hz: 12.5 fps (768 × 432)<br>60 Hz: 15 fps (768 × 432)<br>PT channel 2:<br>50 Hz: 12.5 fps (768 × 432)<br>60 Hz: 15 fps (768 × 432)                                                                                                             |
| Video Compression      | Main stream: H.265,<br>Sub-stream: H.265                                                                                                                                                                                                                               |
| 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)                                                                                                                                                                                                                                                    |

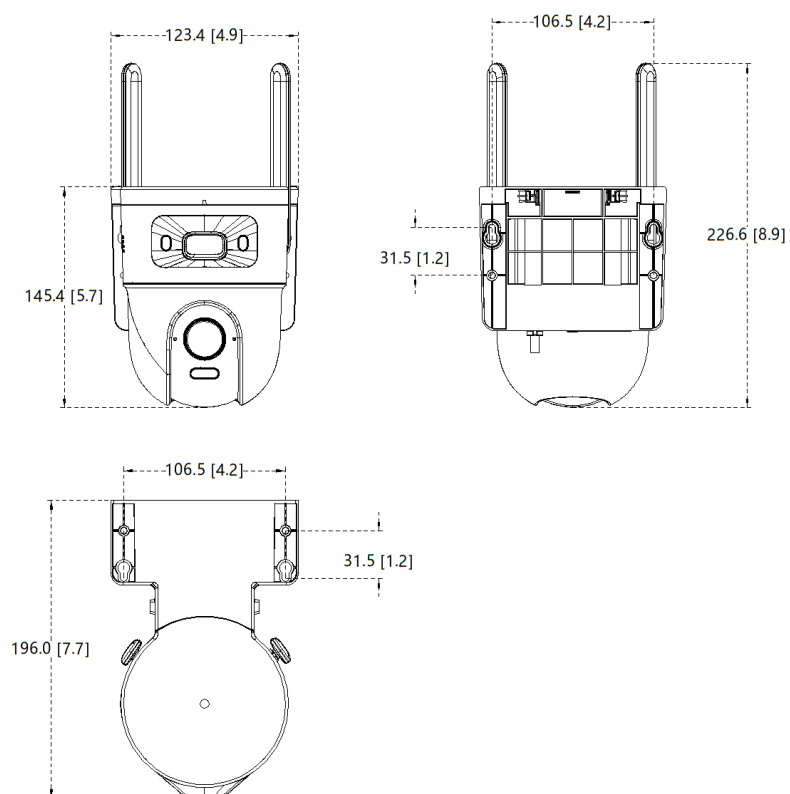
|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| Audio Sampling Rate              | 8 kHz                                                                                              |
| Environment Noise Filtering      | Yes                                                                                                |
| <b>Network</b>                   |                                                                                                    |
| Simultaneous Live View           | Up to 6 channels                                                                                   |
| API                              | SDK                                                                                                |
| User/Host                        | Up to 32 users<br>3 user levels: administrator, operator, and user                                 |
| Client                           | Hik-Connect                                                                                        |
| <b>Mobile Communication</b>      |                                                                                                    |
| Standard                         | LTE-FDD                                                                                            |
| 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    | Cat 1, uplink: 5.1 Mbps, downlink: 10.3 Mbps                                                       |
| SIM Card Type                    | Nano SIM                                                                                           |
| <b>Image</b>                     |                                                                                                    |
| Image Settings                   | brightness,contrast,white balance,saturation,sharpness                                             |
| Day/Night Switch                 | Day,Night,Auto,Schedule                                                                            |
| Image Enhancement                | BLC,HLC,3D DNR                                                                                     |
| Wide Dynamic Range (WDR)         | Digital WDR                                                                                        |
| <b>Interface</b>                 |                                                                                                    |
| On-Board Storage                 | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                  |
| Reset Key                        | Yes                                                                                                |
| Built-in Microphone              | Yes,1 built-in microphone                                                                          |
| Built-in Speaker                 | Yes, 1 built-in speaker                                                                            |
| <b>Event</b>                     |                                                                                                    |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle))          |
| Linkage                          | notify surveillance center,trigger recording,trigger capture,audible warning,Upload to memory card |
| <b>General</b>                   |                                                                                                    |
| Power                            | 12 V, 1.5 A, max. 18 W                                                                             |
| Material                         | Plastic                                                                                            |
| Dimension                        | Ø110.9 mm × 145.4 mm (Ø4.37" × 5.72")                                                              |
| Package Dimension                | 322 mm × 197 mm × 210 mm (12.68" × 7.76" × 8.27")                                                  |
| Weight                           | Approx. 1560 g (3.44 lb.)                                                                          |
| With Package Weight              | Approx. 2180 g (4.81 lb.)                                                                          |
| Startup and Operating Conditions | -20 °C to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)                           |
| Storage Conditions               | -20 °C to 50 °C (-4 °F to 122 °F). Humidity 70% or less (non-condensing)                           |
| General Function                 | Mirror,flash log                                                                                   |
| Flashing Light                   | NA                                                                                                 |
| <b>Battery</b>                   |                                                                                                    |
| Battery Type                     | Lithium                                                                                            |
| Capacity                         | 9000 mAh                                                                                           |
| Max. Charging Voltage            | 8.4 V                                                                                              |
| Battery Voltage                  | 6 V to 8.4 V                                                                                       |

|                                 |                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature           | Charging: 0 °C to 45 °C (32 °F to 113 °F)<br>Discharging: -20 °C to 50 °C (-4 °F to 122 °F)                                                        |
| Cycle Lifetime                  | Cap(800th) ≥ 80%                                                                                                                                   |
| Battery Weight                  | Approx. 170 g (0.37 lb.)                                                                                                                           |
| <b>Approval</b>                 |                                                                                                                                                    |
| RF                              | EN IEC 62311:2020, ETSI EN 301 489-17 V3.3.1, ETSI EN 301 908-1 V15.2.1, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 908-13 V13.2.1                      |
| 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, EN 50121-4: 2016+A1:2019 |
| Safety                          | CB: IEC 62368-1:2014+A11,<br>CE-LVD: EN 62368-1:2014/A11: 2017                                                                                     |
| Environment                     | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                   |
| <b>Solar Power</b>              |                                                                                                                                                    |
| Solar Panel Type                | Monocrystalline silicon solar panel                                                                                                                |
| Power Consumption               | 8 W                                                                                                                                                |
| Solar Panel Dimensions & Weight | Dimensions: 263.8 mm × 171.7 mm × 18.5 mm (10.39" × 6.76" × 0.73")<br>Weight: 450 g (0.99 lb.)                                                     |
| Working Temperature             | -20 °C to 60 °C (-4 °F to 140 °F)                                                                                                                  |
| Protection                      | IP65                                                                                                                                               |

## ▪ Dimension







Unit: mm[inch]

# See Far, Go Further



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