

DS-2DE2C400IWG-K/4G/C05S10



4MP Pro Solar-powered Security PT Camera Setup

- High quality imaging with 4 MP resolution
- Dual transducers – PIR and Radar work together for higher detection accuracy
- Support 4G LTE data transmission
- Built-in microphone and built-in speaker for two-way audio and audio alarm
- Support on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP66)
- Support manual adjustment of the radar angle: 0°, 10°, and 20°



Sales Inquiry

Available models:

DS-2DE2C400IWG-K/4G/C05S10(2.8mm)
 DS-2DE2C400IWG-K/4G/C05S10(2.8mm)O-STDLA
 DS-2DE2C400IWG-K/4G/C05S10(2.8mm)O-STDUS
 DS-2DE2C400IWG-K/4G/C05S10(4mm)
 DS-2DE2C400IWG-K/4G/C05S10(4mm)
 DS-2DE2C400IWG-K/4G/C05S10(4mm)

• Camera

- Image Sensor 1/2.7" Progressive Scan CMOS
- Max. Resolution 2560 × 1440
- Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
- Shutter Time 1/3 s to 1/100,000 s
- 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 94°, vertical FOV 49°, diagonal FOV 114°

4 mm, horizontal FOV 70°, vertical FOV 35°, diagonal FOV 85°

- Lens Mount M12
- Iris Type Fixed
- Aperture F1.6

• PTZ

- Movement Range (Pan) 0° to 340°

- Movement Range (Tilt) 0° to 80°
- Pan Speed Up to 25°/s
- Tilt Speed Up to 25°/s

- **DORI**

- DORI

2.8 mm, D: 68 m, O: 27 m, R: 13 m, I: 6 m

4 mm, D: 100 m, O: 39 m, R: 20 m, I: 10 m

- **Illuminator**

- Supplement Light Type IR
- 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)

60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)

- Sub-Stream

50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)

60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)

- Video Compression

Main stream: H.265/H.264,

Sub-stream: H.265/H.264/MJPEG

- Video Bit Rate 32 Kbps to 8 Mbps
- H.264 Type Baseline Profile, Main Profile, High Profile
- H.265 Type Main Profile
- Bit Rate Control CBR, VBR
- Region of Interest (ROI) 1 fixed region for main stream

- **Audio**

- Audio Type Mono sound
- Audio Sampling Rate 8 kHz/16 kHz
- Environment Noise Filtering Yes

- Audio Compression G.722.1/G.711/MP2L2/PCM/G.726/AAC-LC
- Audio Bit Rate 16 Kbps(G.722.1)/64 Kbps(G.711ulaw/G.711alaw)/32~160 Kbps(MP2L2)/8~48 Kbps(PCM)/16 Kbps(G.726)/16~64 Kbps(AAC-LC)

- **Network**

- APIONVIF (Profile S, Profile G, Profile T), ISAPI, SDK
- Security Password protection, complicated password, basic and digest authentication for HTTP, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
- Simultaneous Live View Up to 6 channels
- Protocols TCP/IP, DHCP, IPv4
- User/Host

Up to 32 users

3 user levels: administrator, operator, and user

- Client Hik-Connect, HikCentral Professional, Hik-Partner Pro
- Web Browser Local service: IE 11, Chrome 57.0+, Firefox 52.0+, Edge 89+

- **Mobile Communication**

- Standard LTE-FDD, LTE-TDD, UMTS
- Frequency

EU:

LTE-FDD: B1/3/5/7/8/20/28

IN:

LTE-FDD: B1/3/5/8

LTE-TDD: B34/38/39/40/41

LA:

LTE-FDD: B2/3/4/5/7/8/28/66

NA:

LTE-FDD: B2/4/5/12/13/17/66/71

UMTS: B2/4/5

- Uplink and Downlink Data Rate

EU: uplink: 5.1 Mbps, downlink: 10.3 Mbps

IN: uplink: 5.1 Mbps, downlink: 10.3 Mbps

LA: uplink: 5.1 Mbps, downlink: 10.3 Mbps

NA: uplink: 50 Mbps, downlink: 150 Mbps

- SIM Card Type Nano SIM

- **Image**

- Wide Dynamic Range (WDR) Digital WDR
- SNR ≥ 52 dB
- Day/Night Switch Day, Night, Auto, Schedule
- Image Enhancement BLC, HLC, 3D DNR
- Image Settings Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser

- **Transducer**

- Transducer Type PIR + Radar
- Detection Angle Horizontal: 80°, vertical: 30°
- Detection Range Up to 12 m

- **Interface**

- Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port
- 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, Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB.
- Reset Key Yes

- **Event**

- Basic Event exception
- Linkage Upload to memory card, notify surveillance center, trigger recording, trigger capture, audible warning

- **General**

- Power

Power Consumption and Current:

Typical power scenarios: 1.85 W (4G working)

Standby scenarios: 80 mW

Max. Power consumption: 7 W

Power Supply: 12 VDC ± 25%

*For debugging only

10 W (deviation: $\pm 5\%$) Solar panels

Power Interface:

Power supply interface: four-core aviation connector

Extended solar panel: four-core aviation connector

- Dimension 133.1 mm × 177.64 mm × 382.44 mm / 412.44 mm (5.24" × 6.99" × 15.06" / 16.24")
- Material Plastic
- Package Dimension 375 mm × 305 mm × 398 mm (14.76" × 12.01" × 15.67")
- Approx. 850 g (1.87 lb.)
- With Package Weight Approx. 5400 g (11.88 lb.)
- Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
- Startup and Operating Conditions 0 °C to 50 °C (32 °F to 122 °F). Humidity 95% or less (non-condensing)
- Language English, Ukrainian
- General Function Heartbeat, anti-banding, mirror, password protection

- **Battery**

- Battery Type Ternary Lithium
- Cycle Lifetime

27 hours (1.85 W)

Full charge battery runtime without solar input.

- Battery Voltage 9 V to 12.6 V
- Capacity 50.76 Wh
- Max. Charging Voltage 12.6 V
- Max. Output Voltage 12.6 V
- Operating Temperature

Charging: 0 °C to 45 °C (32 °F to 113 °F)

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)

*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,

IC: ICES-003: Issue 7,

KC: KN32: 2015, KN35: 2015

- Safety

CB: IEC 62368-1: 2014+A11,

CE-LVD: EN 62368-1: 2014/A11: 2017,

BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005

- Environment

CE-RoHS: 2011/65/EU,

WEEE: 2012/19/EU,

Reach: Regulation (EC) No 1907/2006

- ProtectionIP66: IEC 60529-2013