

**DS-2CD2583G2-LI(W)(S)(2U)****8 MP Acusense Smart Hybrid Light Fixed Mini Dome Network Camera**

# AcuSense



- High quality imaging with 8 MP resolution
- Acusense: Focus on human and vehicle classification based on deep learning
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- -2U: Built-in arrayed-dual microphone for real-time high quality audio security
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal-resistant (IK08)

## ▪ Specification

| Camera                      |                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                                                                                                                                 |
| Max. Resolution             | 3840 × 2160                                                                                                                                                                                  |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with light                                                                                                                                          |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                         |
| Day & Night                 | IR cut filter                                                                                                                                                                                |
| Angle Adjustment            | Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                                                                        |
| Lens                        |                                                                                                                                                                                              |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                                                                      |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 108°, vertical FOV 59°, diagonal FOV 127°<br>4 mm, horizontal FOV 88°, vertical FOV 44°, diagonal FOV 105°                                                            |
| Lens Mount                  | M12                                                                                                                                                                                          |
| Iris Type                   | Fixed                                                                                                                                                                                        |
| Aperture                    | F1.6                                                                                                                                                                                         |
| Depth of Field              | 2.8 mm: 1.7 m to ∞<br>4 mm: 2.6 m to ∞                                                                                                                                                       |
| DORI                        |                                                                                                                                                                                              |
| DORI                        | 2.8 mm, D: 84 m, O: 33 m, R: 16 m, I: 8 m<br>4 mm, D: 117 m, O: 46 m, R: 23 m, I: 11 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:<br>20 fps (3840 × 2160)<br>25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (3840 × 2160)<br>30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                         |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>*Third stream is supported under certain settings.         |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264,<br>*Third stream is supported under certain settings.                                |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                                                                                                           |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                                                                                 |
| H.265 Type                  | Main Profile                                                                                                                                                                                 |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                                                     |
| Bit Rate Control            | CBR, VBR                                                                                                                                                                                     |

|                             |                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream                                                                                                                                                                                                                                                                                             |
| Target Cropping             | Yes                                                                                                                                                                                                                                                                                                                                       |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                                                                           |
| Audio Compression           | -2U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                                                                                                                                                                                             |
| Audio Bit Rate              | -2U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)                                                                                                                                                                                                    |
| Audio Sampling Rate         | -2U: 8 kHz/16 kHz/32 kHz/48 kHz                                                                                                                                                                                                                                                                                                           |
| Environment Noise Filtering | -2U: Yes                                                                                                                                                                                                                                                                                                                                  |
| <b>Network</b>              |                                                                                                                                                                                                                                                                                                                                           |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets                                                                                                                                                               |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                                                                                                                                          |
| API                         | ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP                                                                                                                                                                                                                                                                                            |
| Security                    | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface                                                                                                      |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                                                                                                                                        |
| Client                      | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                                                                       |
| Network Storage             | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.                                                                                                                                                                           |
| Web Browser                 | Plug-in required live view: IE 11,<br>Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+,<br>Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+                                                                                                                                                              |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                                                           |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                                                                                                                       |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                                                                |
| Image Settings              | Rotate mode                                                                                                                                                                                                                                                                                                                               |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                                                                                                                                    |
| SNR                         | ≥ 52 dB                                                                                                                                                                                                                                                                                                                                   |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                                                          |
| Privacy Mask                | 8 programmable polygon privacy masks                                                                                                                                                                                                                                                                                                      |
| <b>Interface</b>            |                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                         |
| Audio                       | Built-in Microphone:<br>-2U: Arrayed dual-microphone<br>-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium<br>1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                       | -S: 1 input, 1 output (max. 12 VDC, 30 mA)                                                                                                                                                                                                                                                                                                |
| Reset Key                   | Yes                                                                                                                                                                                                                                                                                                                                       |

| Event                            |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                                                                                                                                                           |
| Smart Event                      | Face detection                                                                                                                                                                                                                                                                                                                                        |
| Linkage                          | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, -S: trigger alarm output                                                                                                                                                                                                                   |
| Deep Learning Function           |                                                                                                                                                                                                                                                                                                                                                       |
| Perimeter Protection             | Line crossing, intrusion<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                                                                                                                    |
| General                          |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 25%, 0.54 A, max. 6.5 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 8W                                                                                                                                                                                                    |
| Material                         | Base: aluminum, cover: plastic                                                                                                                                                                                                                                                                                                                        |
| Dimension                        | $\varnothing$ 113.6 mm $\times$ 74.6 mm ( $\varnothing$ 4.47" $\times$ 2.94")                                                                                                                                                                                                                                                                         |
| Package Dimension                | 150 mm $\times$ 150 mm $\times$ 141 mm (5.91" $\times$ 5.91" $\times$ 5.55")                                                                                                                                                                                                                                                                          |
| Weight                           | Approx. 500 g (1.1 lb.)                                                                                                                                                                                                                                                                                                                               |
| With Package Weight              | Approx. 660 g (1.5 lb.)                                                                                                                                                                                                                                                                                                                               |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                             |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                             |
| Language                         | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function                 | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding                                                                                                                                                                                                                                                                   |
| Approval                         |                                                                                                                                                                                                                                                                                                                                                       |
| 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>RCM: AS/NZS CISPR 32: 2015,<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,<br>LOA: IEC/EN 60950-1                                                                                                                                                                                                           |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                                                                                                                                                                                      |
| Protection                       | IP67: IEC 60529-2013, IK08: IEC 62262:2002                                                                                                                                                                                                                                                                                                            |

## ▪ 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-2CD2583G2-LI2U(2.8mm)

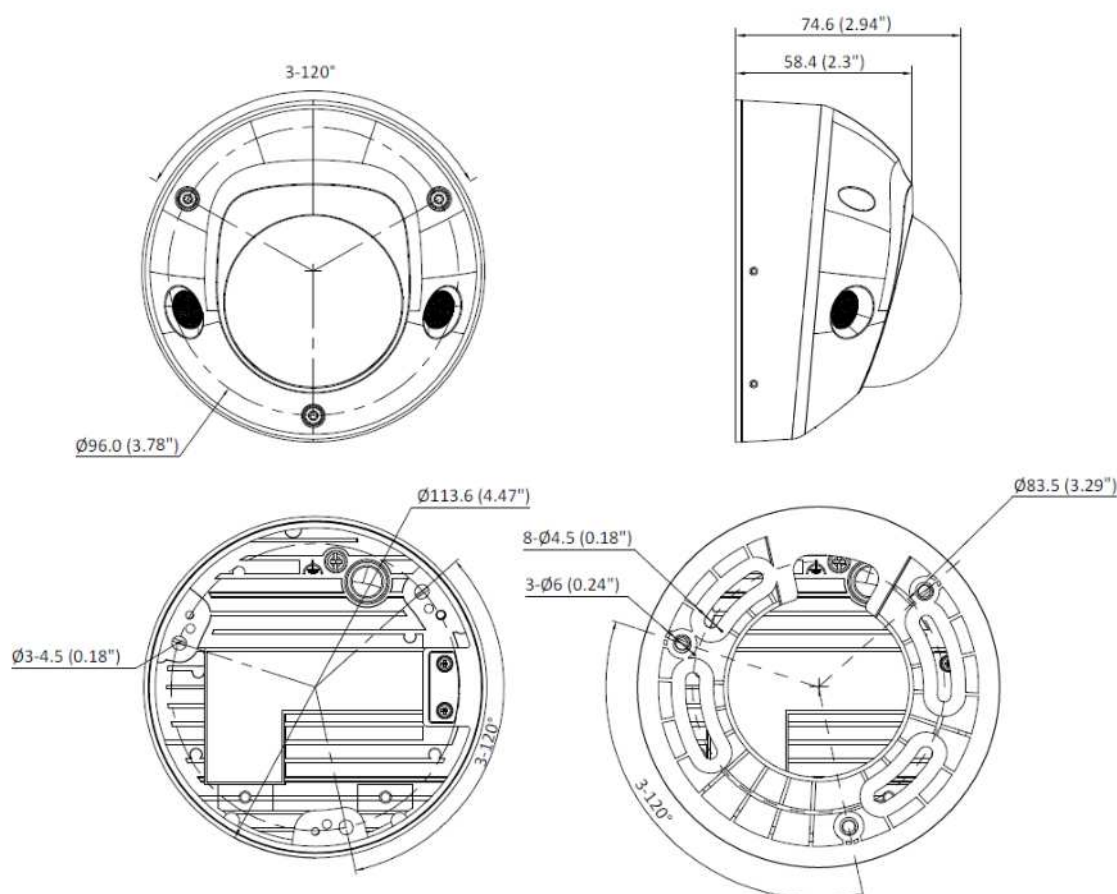
DS-2CD2583G2-LI2U(4mm)

DS-2CD2583G2-LIS2U(2.8mm)

DS-2CD2583G2-LIS2U(4mm)

DS-2CD2583G2-LIS2U(2.8mm)(BLACK)

## ▪ Dimension



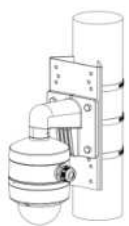
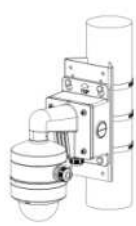
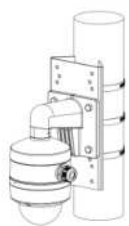
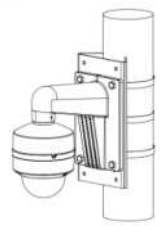
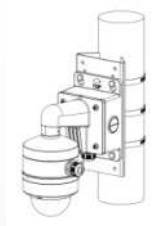
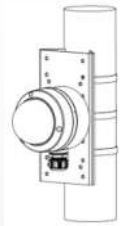
Unit:mm(inch)

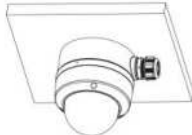
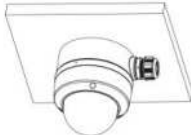
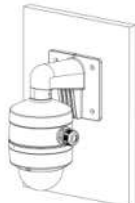
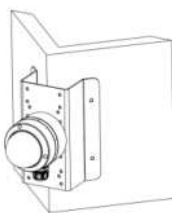
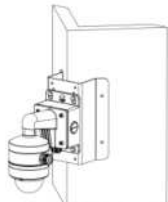
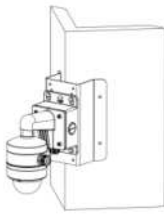
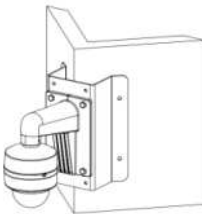
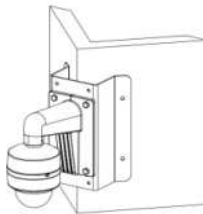
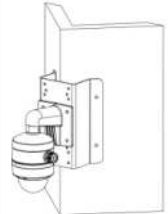
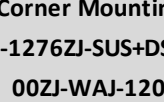
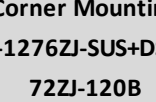
## ▪ Accessory

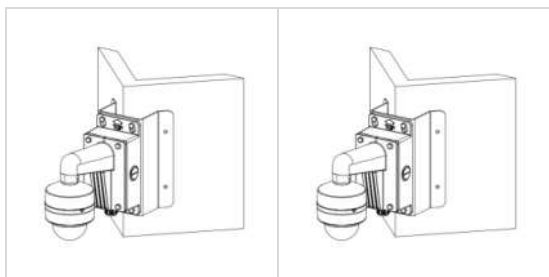
### ▪ Optional

| DS-1275ZJ-SUS                                                                     | DS-2210ZJ-WA-120                                                                   | DS-1280ZJ-DM46                                                                    | DS-1272ZJ-120B                                                                     | DS-1272ZJ-120                                                                       |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |   |  |  |  |
| DS-2280ZJ-WA120                                                                   | DS-2200ZJ-WAJ-120                                                                  | DS-1276ZJ-SUS                                                                     | DS-2200ZJ-WA-120                                                                   | DS-1271ZJ-120                                                                       |
|  |  |  |  |  |

## ▪ Installation Methods

| Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1280ZJ-DM46+DS-2200ZJ-WA-120             | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-2200ZJ-WA-120                            | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1272ZJ-120B                              | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1280ZJ-DM46+DS-1272ZJ-120B                | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1280ZJ-DM46                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1272ZJ-120                               | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-2200ZJ-WAJ-120+DS-1280ZJ-DM46            | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-2200ZJ-WAJ-120                           | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-2280ZJ-WA120                              | Pendant Mounting<br>DS-2210ZJ-WA-120+DS-1280ZJ-DM46                                   |
|  |  |  |  |  |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Pendant Mounting<br>DS-2210ZJ-WA-120                                                | Pendant Mounting<br>DS-1271ZJ-120                                                   | Pendant Mounting<br>DS-1271ZJ-120+DS-12<br>80ZJ-DM46                                | Junction Box<br>DS-1280ZJ-DM46                                                       | Junction Box<br>DS-2280ZJ-WA120                                                       |
|    |    |    |    |    |
| Wall Mounting<br>DS-1272ZJ-120B                                                     | Wall Mounting<br>DS-1272ZJ-120B+DS-1<br>280ZJ-DM46                                  | Wall Mounting<br>DS-1272ZJ-120                                                      | Wall Mounting<br>DS-1272ZJ-120+DS-12<br>80ZJ-DM46                                    | Wall Mounting<br>DS-2200ZJ-WAJ-120+<br>DS-1280ZJ-DM46                                 |
|    |    |    |    |    |
| Wall Mounting<br>DS-2200ZJ-WAJ-120                                                  | Wall Mounting<br>DS-2200ZJ-WA-120                                                   | Wall Mounting<br>DS-2200ZJ-WA-120+D<br>S-1280ZJ-DM46                                | Corner Mounting<br>DS-1276ZJ-SUS+DS-22<br>80ZJ-WA120                                 | Corner Mounting<br>DS-1276ZJ-SUS+DS-12<br>72ZJ-120B+DS-1280ZJ<br>-DM46                |
|  |  |  |  |  |
| Corner Mounting<br>DS-1276ZJ-SUS+DS-22<br>00ZJ-WAJ-120+DS-12<br>80ZJ-DM46           | Corner Mounting<br>DS-1276ZJ-SUS+DS-22<br>00ZJ-WA-120+DS-128<br>0ZJ-DM46            | Corner Mounting<br>DS-1276ZJ-SUS+DS-22<br>00ZJ-WA-120                               | Corner Mounting<br>DS-1276ZJ-SUS+DS-12<br>72ZJ-120                                   | Corner Mounting<br>DS-1276ZJ-SUS+DS-12<br>72ZJ-120+DS-1280ZJ-<br>DM46                 |
|  |  |  |  |  |
| Corner Mounting<br>DS-1276ZJ-SUS+DS-22<br>00ZJ-WAJ-120                              | Corner Mounting<br>DS-1276ZJ-SUS+DS-12<br>72ZJ-120B                                 |                                                                                     |                                                                                      |                                                                                       |
|  |  |                                                                                     |                                                                                      |                                                                                       |



# See Far, Go Further



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[support@hikvision.com](mailto:support@hikvision.com)

