

4MP Smart Hybrid Light with ColorVu Fixed Mini Bullet Camera



Camera

- **Image Sensor** 1/1.8" Progressive Scan CMOS
 - **Max. Resolution** 2688 × 1520
 - **Min. Illumination Color:** 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
 - **Shutter Time** 1/3 s to 1/100,000 s
 - **Day & Night** IR cut filter
 - **Angle Adjustment Pan:** 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
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Lens

- **Lens Type** Fixed focal lens, 2.8 and 4 mm optional
 - **Focal Length & FOV**
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2.8 mm, horizontal FOV 104.0°, vertical FOV 54.4°, diagonal FOV 126.7°

4 mm, horizontal FOV 89.2°, vertical FOV 45.5°, diagonal FOV 108.2°

- **Lens Mount** M16
 - **Iris Type** Fixed
 - **Aperture** F1.0
 - **Depth Of Field**
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2.8 mm: 2.5 m to ∞

4 mm: 3.1 m to ∞

DORI

2.8 mm: D: 61 m, O: 24 m, R: 12 m, I: 6 m

4 mm: D: 75 m, O: 30 m, R: 15 m, I: 7 m

Illuminator

- **Supplement Light Type** IR, White Light
 - **Supplement Light Range** Up to 40 m
 - **Smart Supplement Light** Yes
 - **IR Wavelength** 850 nm
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Video

- **Main Stream**
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50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)

60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)

- **Sub-Stream**
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50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)

60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)

- **Third Stream**
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50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)

60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)

*The third stream is supported under certain settings.

- **Video Compression**

Main stream: H.265/H.264/H.264+/H.265+,

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

Third stream: H.265/H.264,

*Third stream is supported under certain settings.

- **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
 - **Scalable Video Coding (SVC)** H.264 and H.265 encoding
 - **Region Of Interest (ROI)** 1 fixed region for main stream and sub-stream
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Audio

- **Audio Compression-U:** G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
 - **Audio Bit Rate-U:** 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
 - **Audio Sampling Rate-U:** 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
 - **Environment Noise Filtering-U:** Yes
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Network

- **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, SRTP, SFTP
- **Simultaneous Live View** Up to 6 channels
- **API** Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
- **User/Host**

Up to 32 users

3 user levels: administrator, operator, and user

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- **Security** Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address)
 - **Network Storage** NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
 - **Client** iVMS-4200, Hik-Connect, Hik-Central
 - **Web Browser**

Plug-in required live view: IE 10, IE 11,

Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,

Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

- **Image Parameters Switch** Yes
 - **Image Settings** Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
 - **Day/Night Switch** Day,Night,Auto,Schedule
 - **Image Enhancement** BLC,HLC,3D DNR
 - **SNR** ≥ 52 dB
 - **Wide Dynamic Range (WDR)** 130 dB
 - **Privacy Mask** 4 programmable polygon privacy masks
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Interface

- **Ethernet Interface** 1 RJ45 10 M/100 M self-adaptive Ethernet port
 - **On-Board Storage**
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Built-in memory card slot, support microSD / microSDHC / micro SDXC card, up to 512 GB

- **Built-In Microphone-U:** Yes
 - **Reset Key** Yes
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Event

- **Basic Event** Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm, exception
 - **Linkage** Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email
 - **Smart Event** Scene change detection
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Deep Learning Function

- **Face Capture** Yes
- **Perimeter Protection**

Line crossing, intrusion, region entrance, region exiting

Support alarm triggering by specified target types (human and vehicle)

General

- **Power**

12 VDC \pm 25%, 0.45 A, max. 5.5 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection,

PoE: IEEE 802.3af, Class 3, max. 7 W

- **Material** Front cover: Metal, body: Metal, bracket: Metal
- **Dimension** \varnothing 74.4 mm \times 179.2 mm (\varnothing 2.9" \times 7.1")
- **Package Dimension** 234 mm \times 120 mm \times 117 mm (9.2" \times 4.7" \times 4.6")
- **Weight** Approx. 525 g (1.2 lb.)
- **With Package Weight** Approx. 750 g (1.7 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)
- **General Function** Heartbeat, mirror, password reset via email, pixel counter, anti-banding
- **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

Approval

EMC

CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011
+A1: 2014,

IC: ICES-003: Issue 7,

KC: KN32: 2015, KN35: 2015,

RCM: AS/NZS CISPR 32: 2015

Safety

UL: UL 62368-1,

CB: IEC 62368-1: 2014+A11,

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

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