

# 2MP Smart Hybrid Light Fixed Dome Network Camera



## Camera

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- **Image Sensor** 1/2.9" Progressive Scan CMOS
  - **Max. Resolution** 1920 × 1080
  - **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
  - **Angle Adjustment** Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°
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## Lens

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- **Lens Type** Fixed focal lens, 2.8 and 4 mm optional
  - **Focal Length & FOV**
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2.8 mm, horizontal FOV 103°, vertical FOV 56°, diagonal FOV 121°

4 mm, horizontal FOV 83°, vertical FOV 44°, diagonal FOV 99°

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- **Lens Mount** M12
  - **Iris Type** Fixed
  - **Aperture** F1.6
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## DORI

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2.8 mm, D: 45 m, O: 18 m, R: 9 m, l: 4 m

4 mm, D: 56 m, O: 22 m, R: 11 m, l: 5 m

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## Illuminator

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- **Supplement Light Type** IR,White Light
  - **Supplement Light Range** Up to 30 m
  - **Smart Supplement Light** Yes
  - **IR Wavelength** 850 nm
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## Video

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

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

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

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60 Hz: 30 fps (640 × 480, 640 × 360)

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- **Video Compression**

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

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

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- **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
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## Audio

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- **Audio Type** Mono sound
  - **Environment Noise Filtering** Yes
  - **Audio Sampling Rate** 8 kHz/16 kHz
  - **Audio Compression** G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
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- **Audio Bit Rate**64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
- **Network**
- **Security**Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
- **Simultaneous Live View**Up to 6 channels
- **API**Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)),ISAPI,SDK
- **Protocols**TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP
- **User/Host**

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Up to 32 users

3 user levels: administrator, operator, and user

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- **Client**iVMS-4200,Hik-Connect
  - **Web Browser**
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Plug-in required live view: IE 10, IE 11,

Local service: Chrome 57.0+, Firefox 52.0+

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## Image

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

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- **Ethernet Interface** 1 RJ45 10 M/100 M self-adaptive Ethernet port
  - **On-Board Storage-F:** Built-in memory card slot, support microSD / microSDHC / microSDXC card, up to 512 GB
  - **Built-In Microphone** Yes
  - **Reset Key-F:** 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/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture
- **General**
- **Power**

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12 VDC  $\pm$  25%, 0.5 A, max. 6 W,  $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,

PoE: IEEE 802.3af, Class 3, max. 7.5 W

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- **Material** Metal & Plastic
  - **Dimension**  $\varnothing$ 121.4 mm  $\times$  97.7 mm ( $\varnothing$ 4.8"  $\times$  3.8")
  - **Package Dimension** 150 mm  $\times$  150 mm  $\times$  141 mm (5.9"  $\times$  5.9"  $\times$  5.6")
  - **Weight** Approx. 550 g (1.2 lb.)
  - **With Package Weight** Approx. 800 g (1.8 lb.)
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- **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** English, Ukrainian
  - **General Function** Heartbeat, anti-banding, mirror, password protection, password reset via email
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## Approval

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- **EMC**

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FCC: 47 CFR Part 15, Subpart B,

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

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RCM: AS/NZS CISPR 32: 2015,

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IC: ICES-003: Issue 7

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- **Safety**

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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

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- **Environment**

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CE-RoHS: 2011/65/EU,

WEEE: 2012/19/EU,

Reach: Regulation (EC) No 1907/2006

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- **Protection** IP67: IEC 60529-2013,IK08: IEC 62262:2002

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