

8MP IP CAMERA FOR OUTDOORS



Features

- High quality imaging with 8 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)

CAMERA

Image Sensor: 1/2.8" Progressive Scan CMOS

Shutter Speed 1/3 s to 1/100,000 s

Slow Shutter Yes

P/N

Wide Dynamic Range 120 dB

Day & Night IR cut filter

Angle Adjustment Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°

LENS

Lens Type Varifocal lens, motorized lens, 2.8 to 12 mm

Focal Length & FOV: 2.8 to 12 mm, horizontal FOV 108° to 30°, vertical FOV 56° to 17°, diagonal FOV 131° to 35°

Lens Mount Ø 14

Iris Type Fixed

Aperture F1.6

DORI

DORI 2.8 to 12 mm: D: 97 m to 290 m, O: 38 m to 115 m, R: 19 m to 58 m, I: 9 m to 29 m

ILLUMINATOR

Supplement Light Type IR

Smart Supplement Light Yes

IR Wavelength 850 nm

IR Range Up to 60 m

VIDEO

Max. Resolution 3840 × 2160

Main Stream: 50 Hz: 20 fps (3840 × 2160) - 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) / 60 Hz: 20 fps (3840 × 2160) - 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)

Sub Stream: 50 Hz: 25 fps (640 × 480, 640 × 360) / 60 Hz: 30 fps (640 × 480, 640 × 360)

Third Stream: 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) / 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)

*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 16 Mbps

H.264 Type Baseline Profile/Main Profile/High Profile

H.265 Type Main Profile

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

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

AUDIO

Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Audio Bit Rate: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)

Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC

Environment Noise Filtering Yes

NETWORK

Protocols: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP

Simultaneous Live View Up to 6 channels

API Open Network Video Interface (Profile S, Profile G), ISAPI, SDK

User/Host Up to 32 users. 3 user levels: administrator, operator and user

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, WSSE and digest authentication for Open Network Video Interface

Network Storage NAS (NFS, SMB/CIFS), auto network replenishment (ANR)

Web Browser: Plug-in required live view: IE 10, IE 11/Plug-in free live view : Chrome 57.0+, Firefox 52.0+/Local service: Chrome 57.0+, Firefox 52.0+

IMAGE

Image Parameters Switch Yes

Image Settings: Rotate, mirror, privacy mask, 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 \geq 52 dB

INTERFACE

Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port

On-board Storage Built-in memory card slot, support micro SD card, up to 256 GB

Audio: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium

Alarm 1 input, 1 output (max. 24VDC/24 VAC, 1 A)

Hardware Reset Yes

DEEP LEARNING FUNCTION

Perimeter Protection: Line crossing detection, intrusion detection / Supports human and vehicle targets classification

GENERAL

Linkage Method: Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email

Camera Material Aluminum alloy body

Camera Dimension 308.5 mm \times 97.9 mm \times 93 mm (12.2" \times 3.9" \times 3.7")

Camera Weight Approx. 1385 g (3.1 lb.)

Storage Conditions -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)

Startup and Operating Conditions -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)

General Function Anti-flicker, heartbeat, password reset via email, pixel counter

Firmware Version V5.5.113

Software Reset Yes

Power Consumption and Current 12 VDC, 1.08 A, max. 13 W / PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W

Power Supply: 12 VDC \pm 25% / PoE: 802.3at, Class 4

Power Interface \varnothing 5.5 mm coaxial power plug