

IP Camera

VIA-IPC-8BP-LIV2M



VIA-IPC-8BP-LIV2M is a professional 8-megapixel network dome camera engineered for intelligent perimeter protection and high-resolution video monitoring.

The device combines deep-learning-based target filtering, adaptive dual-illumination technology, motorized optics, and advanced video encoding for optimized bandwidth and storage efficiency.

Designed for indoor and outdoor deployment, the camera provides stable performance under demanding environmental conditions.

Key Capabilities

- ✓ 8 MP Ultra HD (3840 × 2160)
- ✓ Motorized 2.8–12 mm varifocal lens
- ✓ Fusion illumination system (IR + white light), up to 60 m
- ✓ True WDR 120 dB
- ✓ H.265 / H.264 compression
- ✓ The SMART-TC (Smart Target Classification) - Human & vehicle classification
- ✓ IP67 weather protection, IK10 vandal resistance
- ✓ Built-in dual-microphone array
- ✓ Support for microSD up to 512 GB

**UKRAINIAN
BRAND**

Fusion ILLUMINATION



SPECIFICATION

CAMERA

Image Sensor

1/2.8" Progressive Scan CMOS

Max. Resolution

3840 × 2160

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 90°, rotate: 0° to 360°

OPTICAL SYSTEM

Lens Type

Varifocal lens, motorized lens, 2.8 to 12 mm

Focal Length & FOV

2.8 to 12 mm, horizontal FOV 106.5° to 30.2°, vertical FOV 55.7° to 17°, diagonal FOV 128.5° to 34.7°

Lens Mount

Ø 14

Iris Type

Fixed

Aperture

F1.6

ILLUMINATION

Supplement Light Range

Up to 60 m

Supplement Light Type

IR, White Light

Smart Supplement Light

Yes

IR Wavelength

850 nm

VIDEO PROCESSING & ENCODING

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

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

Target Cropping

Yes

AUDIO CAPABILITIES

Audio Compression

G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC

Audio Bit Rate

64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)

Audio Sampling Rate

8 kHz/16 kHz/32 kHz/48 kHz

Environment Noise Filtering

Yes

NETWORK & CYBERSECURITY

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

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

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, 3 user levels: administrator, operator, and user

Network Storage

NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)

Web Browser

Plug-in required live view: IE 11; Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+; Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+

IMAGE

Image Parameters Switch

Yes

Image Settings

Rotate mode

Day/Night Switch

Day, Night, Auto, Schedule

Wide Dynamic Range (WDR)

120 dB

SNR

≥ 52 dB

Image Enhancement

BLC, HLC, 3D DNR

Privacy Mask

8 programmable polygon privacy masks

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

Audio

Built-in Microphone: Arrayed dual-microphone, 1 input (line in), two-core terminal block, 1 output (line out), two-core terminal block

Alarm

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

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 alarm output, trigger recording, trigger capture

DEEP LEARNING FUNCTION

Perimeter Protection

Line crossing, intrusion, Support alarm triggering by specified target types (human and vehicle)

GENERAL

Power

12 VDC ± 25%, 1.08 A, max. 13 W, Ø 5.5 mm coaxial power plug, reverse polarity protection; PoE: IEEE 802.3at, Class 4, max. 15 W

Material

Aluminum alloy body

Dimension

332.8 mm × 97.9 mm × 94.2 mm (13.1" × 3.9" × 3.7")

Package Dimension

385 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")

Weight

Approx. 1531 g (3.4 lb.)

With Package Weight

Approx. 2000 g (4.4 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

Multi-language interface including English, Ukrainian, Russian and additional international languages.

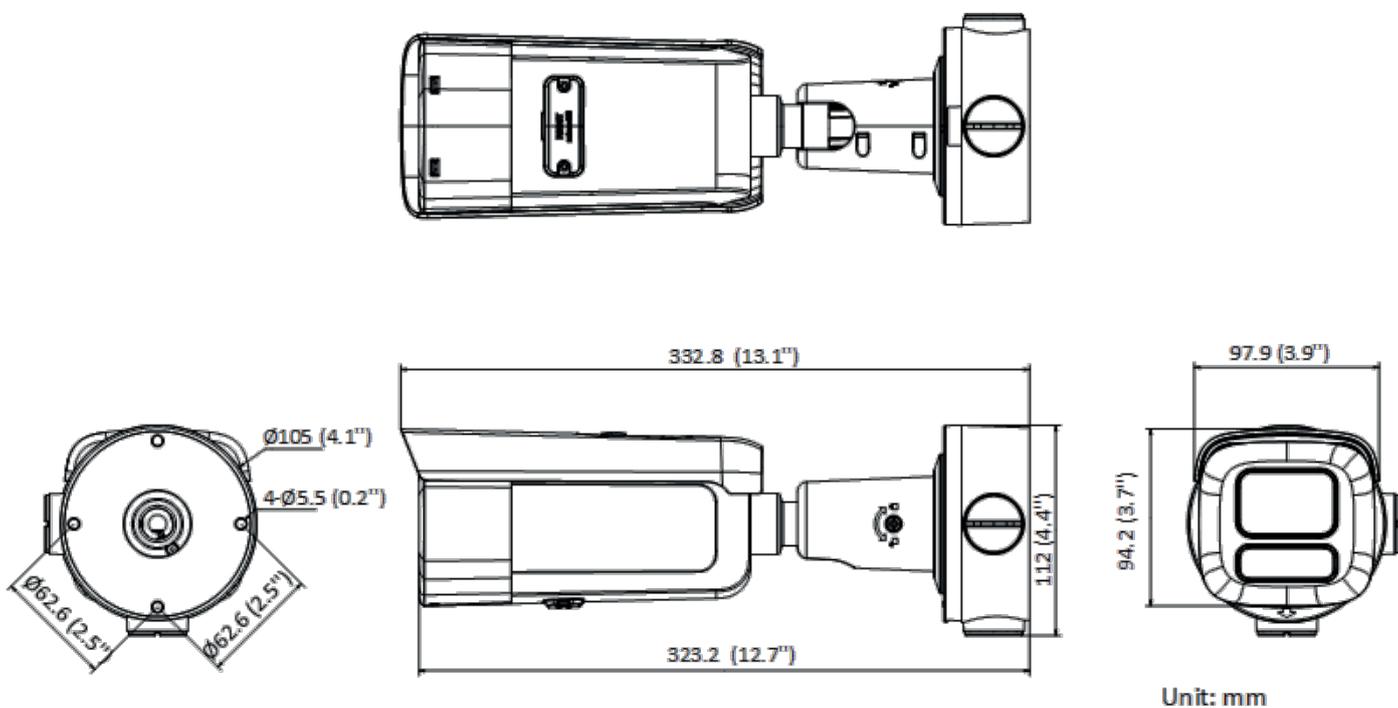
General Function

Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding

Protection

IP67, IK10

DIMENSIONS



*Product in box may vary in appearance and specifications.



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