

IP Camera

VIA-IPC-4MBP-LI2M



VIA-IPC-4MBP-LI2M is a 4 MP network camera designed for high-resolution imaging and intelligent perimeter protection.

The device features a 1/2.9» Progressive Scan CMOS sensor with a 2.8 mm F1.6 fixed lens and 120 dB WDR, ensuring clear visibility in various lighting conditions.

It combines a 40-meter fusion illumination system (IR and white light) , built-in two-way audio , and SMART-TC deep-learning technology for precise human and vehicle classification.

Protected by an IP67-rated metal housing , the camera delivers robust and reliable performance in demanding outdoor environments.

Key Capabilities

- ✓ 4 MP resolution (2688 × 1520)
- ✓ F1.6 fixed lens 2.8 mm
- ✓ 120 dB WDR
- ✓ H.265 / H.264 video compression
- ✓ Fusion illumination system (IR + white light), up to 40 m
- ✓ The SMART-TC (Smart Target Classification) - Human & vehicle classification
- ✓ Built-in dual microphone and speaker (two-way audio)
- ✓ IP67 weather protection
- ✓ microSD support up to 512 GB

VIA Security

 **UKRAINIAN
BRAND**

Fusion ILLUMINATION



SPECIFICATION

CAMERA

Image Sensor

1/2.9" Progressive Scan CMOS

Max. Resolution

2688 × 1520

Min. Illumination

Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 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°

OPTICAL SYSTEM

Lens Type

Fixed focal lens, 2.8 mm

Focal Length & FOV

2.8 mm, horizontal FOV 104°, vertical FOV 57°, diagonal FOV 122°

Lens Mount

M12

Iris Type

Fixed

Aperture

F1.6

Depth of Field

2.8 mm: 1.4 m to ∞

ILLUMINATION

Supplement Light Range

Up to 40 m

Supplement Light Type

IR, White Light

Smart Supplement Light

Yes

IR Wavelength

850 nm

VIDEO PROCESSING & ENCODING

Main Stream

 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720);
 60 Hz: 30 fps (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 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

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

ONVIF (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

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

Reset Key

Yes

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, send email, 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%, 0.5 A, max. 6 W, reverse polarity protection, Ø 5.5 mm coaxial power plug; PoE: IEEE 802.3af, Class 3, max. 7.5 W

Material

Metal

Dimension

Ø 74.4 mm × 176.3 mm (Ø 2.93" × 6.94")

Package Dimension

234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")

Weight

Approx. 515 g (1.1 lb.)

With Package Weight

Approx. 760 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)

Language

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

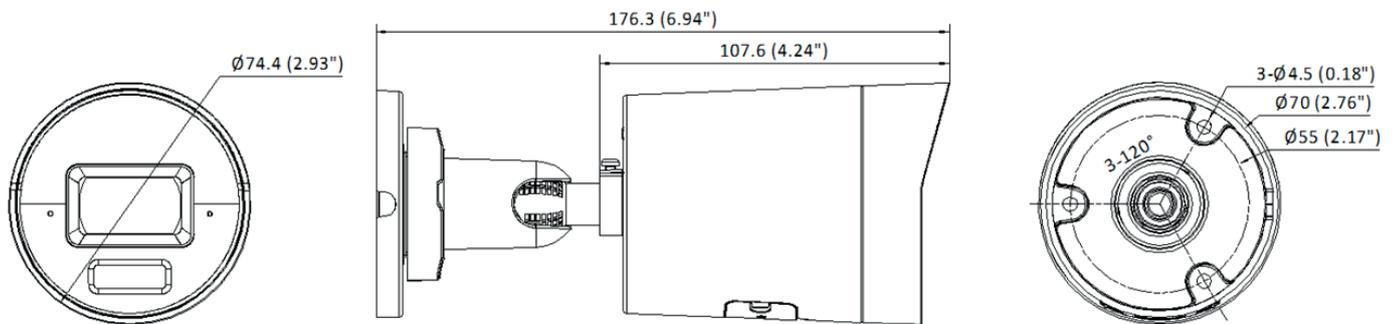
General Function

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

Protection

IP67

DIMENSIONS



Unit: mm (inch)

*Product in box may vary in appearance and specifications.



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