

IP Camera

VIA-IPC-4BP-LI2M-G2/SL



The **VIA-IPC-4BP-LI2M-G2/SL** is a 4 MP network camera designed for 24/7 colorful imaging and advanced perimeter protection.

The device integrates a 1/1.8» Progressive Scan CMOS sensor with a 2.8 mm fixed focal lens featuring a wide F1.0 aperture, enabling reliable performance in extremely low-light scenarios.

The camera combines dual illumination (IR and white light), built-in audio capabilities with two-way communication, perimeter protection analytics, and active visual/audible deterrence.

The housing is rated IP67 and NEMA 4X, making the unit suitable for outdoor use, including corrosive or coastal environments.

Key Capabilities

- ✓ 4 MP resolution (2688 × 1520)
- ✓ 2.8 mm fixed focal lens with F1.0 aperture
- ✓ 130 dB WDR
- ✓ H.265 / H.264 video compression
- ✓ Fusion illumination system (IR + White Light), up to 60 m
- ✓ Deep learning-based person and vehicle classification
- ✓ Face capture support
- ✓ Built-in arrayed dual-microphone and speaker for two-way audio
- ✓ Active strobe light and audio alarm for intruder deterrence
- ✓ IP67 weather protection and NEMA 4X anti-corrosion design
- ✓ Support for microSD cards up to 512 GB

VIA Security

 **UKRAINIAN
BRAND**

Fusion ILLUMINATION



SPECIFICATION

CAMERA

Image Sensor

1/1.8" Progressive Scan CMOS

Max. Resolution

2688 × 1520

Min. Illumination

Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light

Shutter Time

1 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 111.1°, vertical FOV 57.6°, diagonal FOV 138.5°

Lens Mount

M16

Iris Type

Fixed

Aperture

F1.0

Depth of Field

2.8 mm: 2.5 m to ∞

ILLUMINATION

Supplement Light Range

Up to 60 m

Supplement Light Type

White Light, IR

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),
 *The 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

AUDIO CAPABILITIES

Audio Type

Mono sound

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 192 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, SRTP,
 SFTP

Simultaneous Live View

Up to 6 channels

API

ONVIF (Profile S, Profile T, Profile G), SDK

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)

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 free live view: Chrome 80+, Firefox 80+, Edge 89+, Local service: Chrome 80+, Firefox 80+, Edge 89+

IMAGE

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

Wide Dynamic Range (WDR)

130 dB

SNR

≥ 52 dB

Image Enhancement

BLC, HLC, 3D DNR, Distortion Correction, Defog

Privacy Mask

4 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

Built-in Speaker

Max. power consumption: 2 W, max. sound pressure level: 10 cm: 120 dB.

Audio

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

Alarm

2 input, 2 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

Scene change detection

Linkage

Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning, strobe light flashing

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 ± 25%, 1.41 A, max. 17 W, Ø 5.5 mm coaxial power plug, reverse polarity protection; PoE: IEEE 802.3at, Class 4, max. 18 W

Material

Front cover: metal, body: metal, bracket: Metal

Dimension

286.7 mm × 93.3 mm × 91.2 mm (11.3" × 3.7" × 3.6")

Package Dimension

386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")

Weight

Approx. 1250 g (2.8 lb.)

With Package Weight

Approx. 1800 g (4.0 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.

Flashing Light

White Light

General Function

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

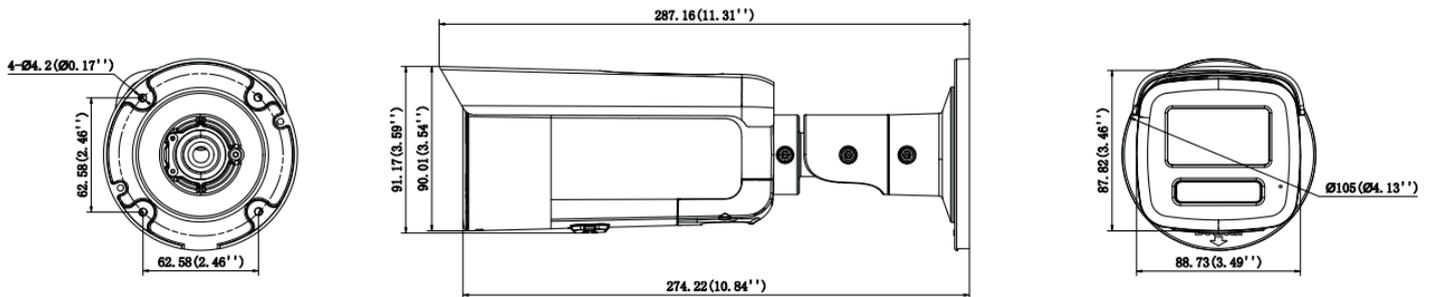
Protection

IP67

Anti-Corrosion Protection

NEMA 4X

DIMENSIONS



*Product in box may vary in appearance and specifications.



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