

IP Camera

VIA-IPC-4BP-LI80/2,8



The **VIA-IPC-4BP-LI80** is a 4-megapixel fixed cylindrical network camera designed for high-resolution video surveillance and intelligent security systems.

The device is equipped with a 2,8-millimeter fixed-focus lens and features advanced Fusion Illumination technology, which combines infrared and white light to provide visibility up to 80 meters.

The camera uses deep learning-based SMART-TC technology for accurate classification of people and vehicles.

Enclosed in robust metal bullet housing, the unit is rated IP67 for water and dust resistance and IK10 for vandal resistance, making it highly suitable for demanding outdoor deployments.

Key Capabilities

- ✓ 4 MP resolution (2688 × 1520)
- ✓ 2,8 mm fixed focal lens
- ✓ Fusion illumination system (IR + White Light), up to 80 m
- ✓ WDR 120 dB
- ✓ H.265 / H.264 video compression
- ✓ SMART-TC (Smart Target Classification) - Human & vehicle classification
- ✓ IP67 weather protection, IK10 vandal resistance
- ✓ Support for microSD up to 512 GB

VIA Security

 **UKRAINIAN
BRAND**

Fusion ILLUMINATION



SPECIFICATION

CAMERA

Image Sensor

1/3" Progressive Scan CMOS

Max. Resolution

2688 × 1520

Min. Illumination

Color: 0.005 Lux @ (F1.6, AGC ON), 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 Length

2,8 mm

FOV

Horizontal 104°, vertical 57°, diagonal 122°

Lens Mount

M12

Iris Type

Fixed

Aperture

F1.6

Depth of Field

1.4 m to ∞

ILLUMINATION

Supplement Light Range

Up to 80 m

Supplement Light Type

IR, White Light

Smart Supplement Light

Yes

IR Wavelength

850 nm

VIDEO PROCESSING & ENCODING

Main Stream

4MP (2688×1520) / 25 fps, 2MP (1920×1080) / 25 fps, 1MP (1280×720)/25fps

Sub-Stream

1280×720/640×480/640×360, 25 fps

Third Stream

1920×1080/1280×720/640×480/640×360, 10 fps,
(Third stream supported with specific settings)

Video Compression

H.265/H.264/MJPEG

Video Bit Rate

32 Kbps to 8 Mbps

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

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 ONVIF

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

IE 11, 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

MicroSD Card Connection

Supports up to 512 GB

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 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%, 0.83 A, max. 10 W, PoE: IEEE 802.3af, Class 3, max. 11 W

Material

Metal

Dimension

88.7 mm × 93.1 mm × 286.7 mm (3.5" × 3.7" × 11.3")

Package Dimension

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

Weight

Approx. 1150 g (2.5 lb.)

With Package Weight

Approx. 1640 g (3.6 lb.)

Storage Conditions

-30 °C to 60 °C. Humidity 95% or less

Startup and Operating Conditions

-30 °C to 60 °C. Humidity 95% or less

Language

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

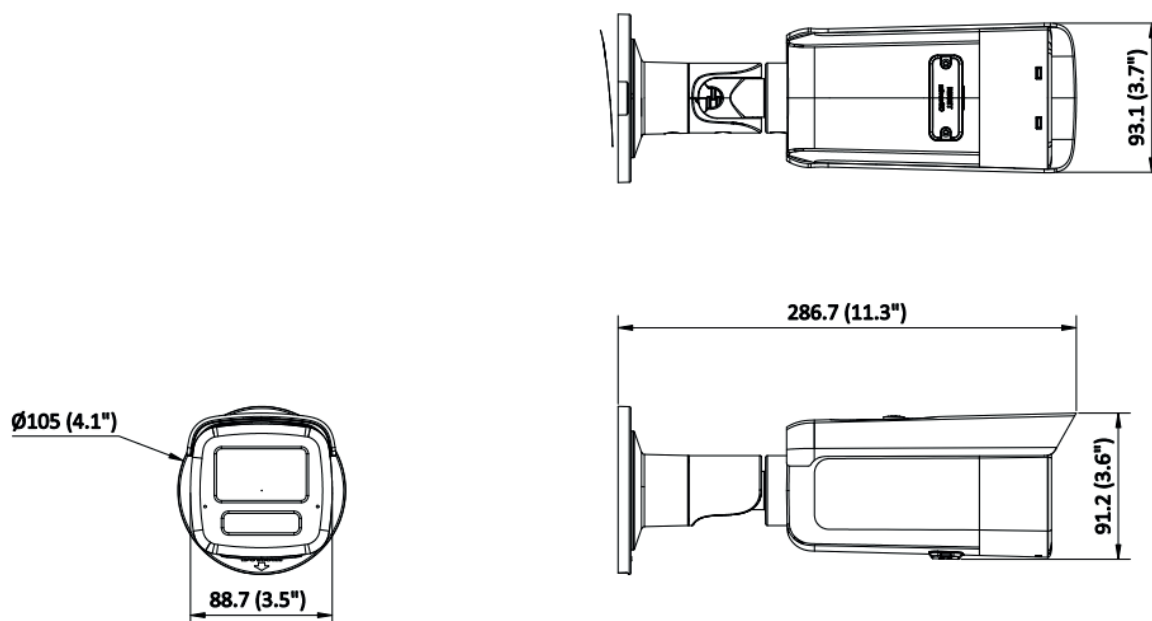
General Function

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

Protection

IP67,IK10

DIMENSIONS



Unit:mm (inch)

*Product in box may vary in appearance and specifications.



Limited liability company «VIATEK»

Email: info@viasecurity.ua
For more detailed information: viasecurity.ua

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