

IP Camera

# VIA-IPC-4DP-LI



**VIA-IPC-4DP-LI** is a 4 MP network dome camera engineered for high-quality imaging and intelligent perimeter protection.

The device integrates a 1/3» Progressive Scan CMOS sensor with an F1.6 fixed 2.8 mm lens, delivering reliable performance across various lighting conditions.

The camera combines Fusion Illumination technology (integrating IR and white light with a range of up to 30 m), 120 dB true WDR, and deep-learning-based SMART-TC for precise human and vehicle classification.

The aluminum alloy housing is rated IP67 for water and dust resistance and IK10 for vandal resistance, making the unit highly durable for demanding environments

## Key Capabilities

- ✓ 4 MP resolution (2688 × 1520)
- ✓ F1.6 fixed lens 2.8 mm
- ✓ Fusion Illumination system (IR + white light), up to 30 m
- ✓ 120 dB WDR
- ✓ H.265 / H.264 video compression
- ✓ The SMART-TC (Smart Target Classification) - Human & vehicle classification
- ✓ Face detection support
- ✓ 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 355°, tilt: 0° to 75°, rotate: 0° to 355°

## OPTICAL SYSTEM

### Lens Type

Fixed focal lens, 2.8

### 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 30 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

## 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

**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

**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%, 0.6 A, max. 7.2 W, Ø 5.5 mm coaxial power plug, reverse polarity protection; PoE: IEEE 802.3af, Class 3, max. 8.5 W

**Material**

Base: aluminum alloy, cover: aluminum alloy

**Dimension**

Ø 121.5 mm × 97.6 mm (Ø 4.78" × 3.84")

**Package Dimension**

150 mm × 150 mm × 141 mm (5.91" × 5.91" × 5.55")

**Weight**

Approx. 600 g (1.3 lb.)

**With Package Weight**

Approx. 830 g (1.8 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.

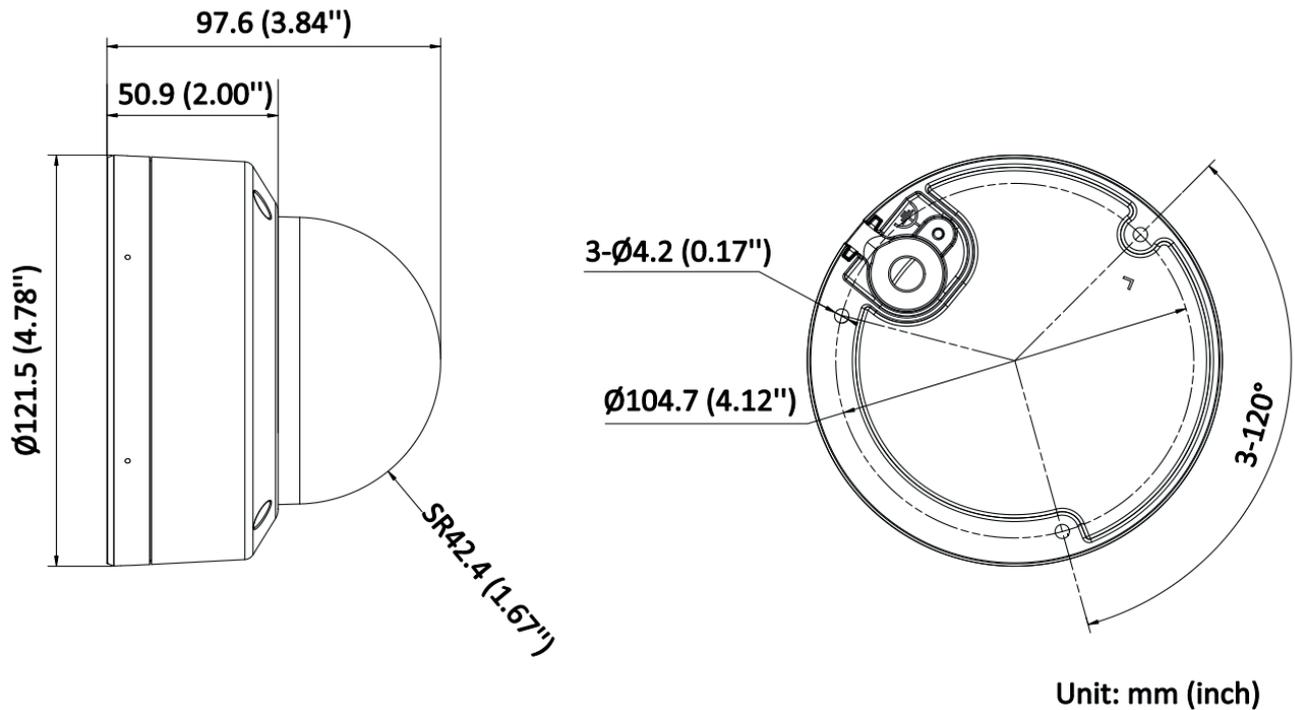
**General Function**

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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