

IP Camera

VIA-IPC-6DSP-IVA



The **VIA-IPC-6DSP-IVA** is a high-resolution (3200 × 1800) network dome camera engineered for intelligent monitoring and easy installation.

The device is equipped with a 1/2.4-inch progressive scan CMOS sensor and a 2.7-13.5mm motorized varifocal lens with a maximum aperture of F1.2, providing excellent image quality in low light conditions.

The camera combines intelligent IR illumination with a range of up to 40 meters, deep analytics for person and vehicle classification, face capture, and people counting.

Constructed with a robust metal dome housing, the unit is rated IP67 for water and dust resistance, IK10 for vandal protection, and features a NEMA 4X anti-corrosion design for exceptional longevity in demanding environments.

Key Capabilities

- ✓ 6 MP resolution (3200 × 1800)
- ✓ Motorized 2.7 to 13.5 mm varifocal lens
- ✓ 130 dB WDR
- ✓ H.265 / H.264 video compression
- ✓ Deep-learning-based person and vehicle classification
- ✓ Face capture and people counting support
- ✓ Built-in arrayed dual-microphone
- ✓ IP67 weather protection and IK10 vandal resistance
- ✓ NEMA 4X anti-corrosion design
- ✓ Support for microSD up to 512 GB

VIA Security

 **UKRAINIAN
BRAND**

SPECIFICATION

CAMERA

Image Sensor

1/2.4" Progressive Scan CMOS

Max. Resolution

3200 × 1800

Min. Illumination

Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR

Shutter Time

1 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

Varifocal lens, motorized lens, 2.7 to 13.5 mm

Focal Length & FOV

2.7 to 13.5 mm, horizontal FOV 102.3° to 36.5°, vertical FOV 53.9° to 20.6°, diagonal FOV 122.9° to 41.9°

Lens Mount

Ø 14

Iris Type

Auto-iris

Aperture

Max.F1.2

Depth of Field

1 m to ∞

ILLUMINATION

Supplement Light Range

40m

Supplement Light Type

IR

Smart Supplement Light

Yes

IR Wavelength

850 nm

VIDEO PROCESSING & ENCODING

Main Stream

50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720); 60 Hz: 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.

Fourth Stream

50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360); 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360), *Fourth 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, Fourth stream: H.265/H.264/MJPEG

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)

5 fixed regions for main stream and sub-stream

e-PTZ

Support Patrol and Auto Tracking settings

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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)

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 91+, Firefox 88+, Edge 91+, Safari 13+; Local service: Chrome 91+, Firefox 88+, Edge 91+

IMAGE

Image Parameters Switch

Yes

Image Settings

Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance

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

Image Stabilization

EIS

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

2 input, 2 output (max. 24 VDC/24 VAC, 1 A)

Reset Key

Yes

Power Output

12 VDC, max. 100 mA

EVENT

Basic Event

Motion detection (support alarm triggering by specified target types (human and vehicle), video tampering alarm, exception

Smart Event

Scene change detection, audio exception detection, defocus detection

Linkage

Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email, audible warning

DEEP LEARNING FUNCTION

Perimeter Protection

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

Face Capture

Yes

People Counting

Yes

GENERAL

Power

12 VDC ± 25%, 1.35 A, max. 16.2 W, Ø 5.5 mm coaxial power plug, reverse polarity protection; PoE: IEEE 802.3at, Class 4, max. 18 W

Material

Metal

Dimension

Ø 141 mm × 112 mm (Ø 5.6" × 4.4")

Package Dimension

206 mm × 206 mm × 230 mm (8.1" × 8.1" × 9.1")

Weight

Approx. 850 g (1.9 lb.)

With Package Weight

Approx. 1440 g (3.2 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

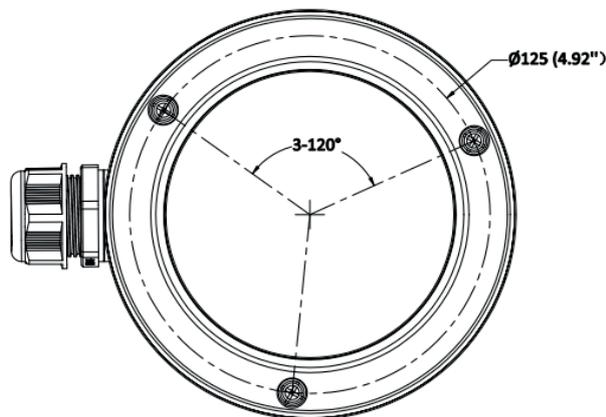
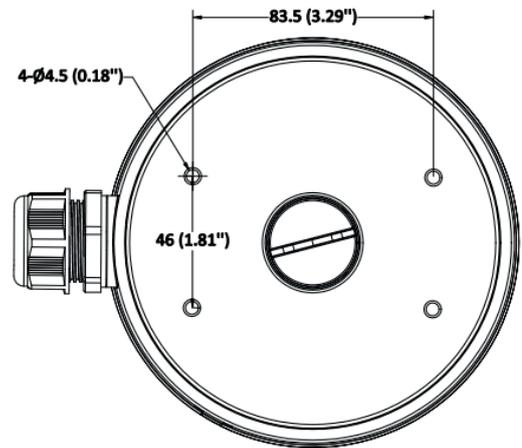
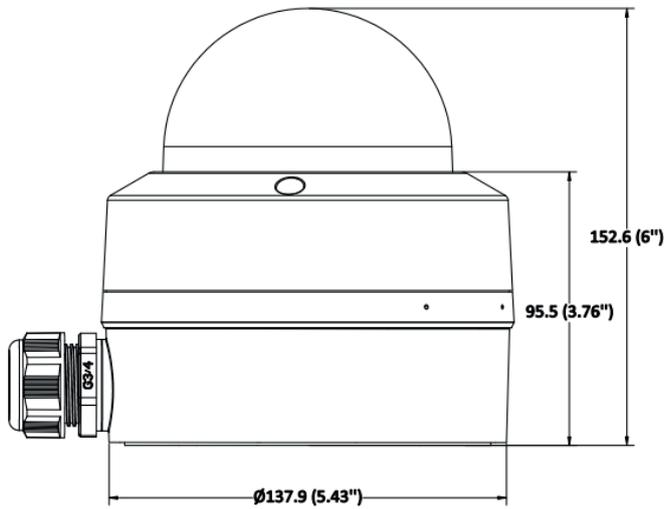
Protection

IP67, IK10

Anti-Corrosion Protection

NEMA 4X

DIMENSIONS



Unit: mm (Inch)

*Product in box may vary in appearance and specifications.



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**UKRAINIAN
 BRAND**