

IP Camera

VIA-IPC-4B-ANPR-G2



VIA-IPC-4B-ANPR-G2 is a professional 4 MP ANPR bullet camera designed for high-speed traffic surveillance and vehicle recognition.

It features a 1/1.8» CMOS sensor with a 2.8–12 mm motorized lens, delivering high-speed video up to 120 fps.

Equipped with 150 dB WDR and TrueView low-light technology, it ensures clear imaging in extreme lighting conditions.

The camera identifies license plates, vehicle types, and colors with 98%+ accuracy.

Its aluminum alloy body is fully protected with IP67, IK10, and NEMA 4X ratings, featuring a built-in heater for reliable performance in snow or rain.

Key Capabilities

- ✓ 4 MP resolution (2560 × 1440)
- ✓ 2.8–12 mm motorized varifocal lens
- ✓ 150 dB WDR
- ✓ H.265 / H.264 video compression
- ✓ 120 km/h maximum vehicle capture speed
- ✓ IR distance up to 60 m
- ✓ IP67 / IK10 / NEMA 4X weather, vandal, and corrosion resistance
- ✓ Support for microSD up to 1 TB

VIA Security

**UKRAINIAN
BRAND**

SPECIFICATION

CAMERA

Image Sensor

1/1.8" Progressive Scan CMOS

Max. Resolution

2688 × 1520

Min. Illumination

Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 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, Blue glass module (less ghost phenomenon)

OPTICAL SYSTEM

Focal Length & FOV

2.8 to 12 mm, horizontal FOV 106° to 41.8°, vertical FOV 55.4° to 23.6°, diagonal FOV 130° to 48.1°

Focus

Auto, Semi-auto, Manual

Iris Type

P-iris

Aperture

2.8 to 12 mm: F1.38 to F2.53

ILLUMINATION

Supplement Light Type

IR

Supplement Light Range

2.8 to 12 mm: Monitoring: 60 m

Smart Supplement Light

Yes

IR Wavelength

850 nm

VIDEO PROCESSING & ENCODING

Main Stream

Monitoring mode: 50 Hz: up to 50 fps (2688 × 1520, 1280 × 720), up to 100 fps (1920 × 1080); 60 Hz: up to 60 fps (2688 × 1520, 1280 × 720), up to 120 fps (1920 × 1080),

*High frame rate is supported under monitoring mode only.
Smart mode: 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, 704 × 576, 640 × 480);
60 Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480)

Third Stream

50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480);
60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)

Fourth Stream

50 Hz: 25 fps (704 × 576, 640 × 480);
60 Hz: 30 fps (704 × 480, 640 × 480)

Fifth Stream

50 Hz: 25 fps (704 × 576, 640 × 480);
60 Hz: 30 fps (704 × 480, 640 × 480)

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,
Fifth stream: H.265/H.264/MJPEG

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)

4 fixed regions for each stream

Target Cropping

Yes

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)/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, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets

Simultaneous Live View

Up to 20 channels

API

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

User/Host

Up to 32 users, 3 user levels: administrator, operator, and user

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 1.2, TLS 1.3, TPM 2.0 (FIPS 140-2 level 2), AES128/256

Web Browser

Plug-in required live view: IE 10, IE 11; Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+; Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Network Storage

NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)

IMAGE

Image Parameters Switch

Yes

Image Settings

Rotate mode, saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser

Day/Night Switch

Day, Night, Auto, Schedule, Alarm Trigger, Video Trigger

Wide Dynamic Range (WDR)

150 dB

Image Enhancement

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

SNR

≥ 52 dB

Privacy Mask

8 programmable polygon privacy masks

Picture Overlay

LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format

Image Stabilization

EIS

INTERFACE

Video Output

1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)

Ethernet Interface

1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port

On-Board Storage

Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB

Audio

1 input (line in), two-core terminal block; 1 output (line out), two-core terminal block

Alarm

2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)

RS-485

1 RS-485 (Half duplex, Pelco-P, Pelco-D, self-adaptive)

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, video quality diagnosis, exception (network disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD error), vibration detection

Smart Event

scene change detection, audio exception detection, defocus detection

Linkage

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

DEEP LEARNING FUNCTION

Perimeter Protection

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

Metadata

Intrusion detection, line crossing detection, region entrance detection, region exiting detection, road traffic

Road Traffic and Vehicle Detection

Smart Function: Support license plate recognition of vehicles and motorcycles (only in checkpoint scenario), Support vehicle attribute detection, including vehicle type, color, brand, driving direction, etc., Support vehicle and non-vehicle counting, Blocklist and allowlist: up to 10,000 records. LPR Countries/Regions: 4 areas (Europe, Middle East, Asia-Pacific, Africa) and more than 124 countries/regions. Accuracy (Under recommended installation and lighting conditions): License plate recognition rate ≥98%, Capture rate ≥99%, Driving direction accuracy rate ≥98%. Vehicle Capture Speed: Front installation in checkpoint scenario: up to 120 km/h, Side installation: up to 80 km/h. Capture Mode: License Plate and Vehicle Mode, Vehicle Priority Mode

GENERAL

Power

three-core terminal block, 12 VDC \pm 20%, 1.88 A, max. 22.56 W, 24 VAC \pm 20%, 1.57 A, max. 21.5 W, PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.53 A to 0.4 A, max. 22.6 W

Material

Aluminum alloy body

Dimension

\varnothing 140 mm \times 377.4 mm (\varnothing 5.5" \times 14.9")

Package Dimension

425 mm \times 190 mm \times 180 mm (16.7" \times 7.5" \times 7.1")

Weight

Approx. 2170 g (4.78 lb.)

With Package Weight

Approx. 3364 g (7.42 lb.)

Storage Conditions

-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)

Startup and Operating Conditions

-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)

Language

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

General Function

Heartbeat, anti-banding, one-key reset, mirror, password protection, flashlog

Heater

Yes

Demist

Yes

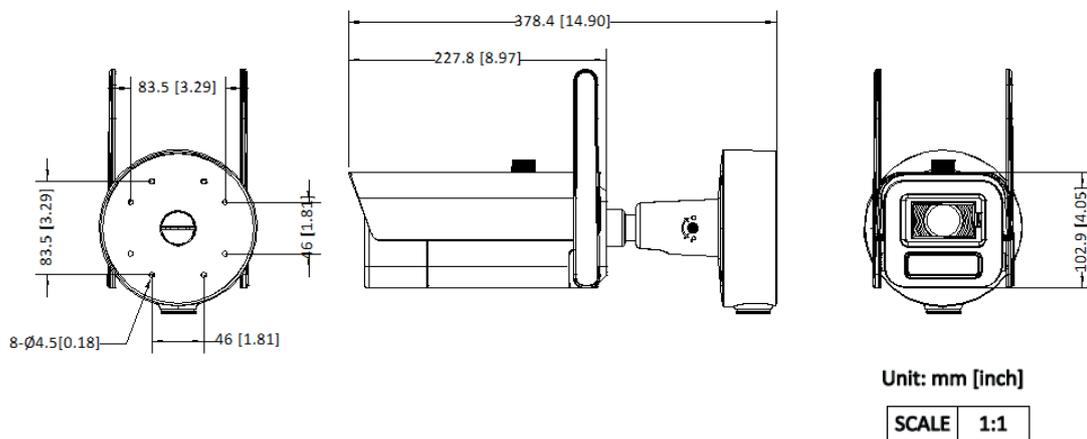
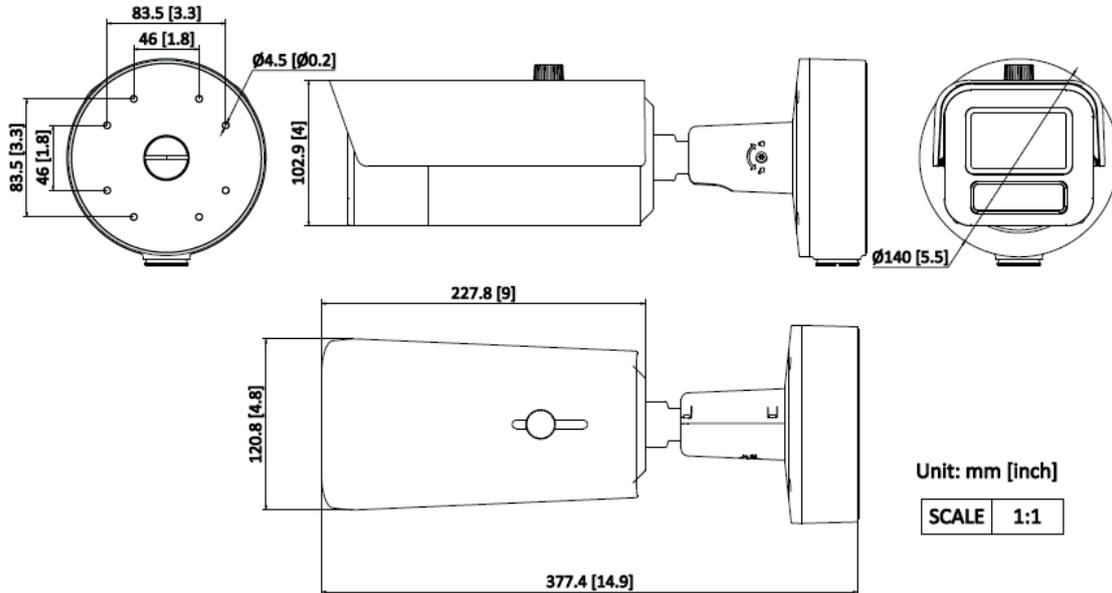
Protection

IP67, IK10

Anti-Corrosion Protection

NEMA 4X

DIMENSIONS



*Product in box may vary in appearance and specifications.



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