



IP-4BL-MVF30-DIC

ANPR

4MP ANPR Vari-Focal Network Camera

- 4MP (2688 × 1520) resolution at up to 30 fps
- 1/1.8" CMOS image sensor
- Vari-focal 10–50 mm lens
- Min. illumination 0.002 Lux (built-in illuminator on)
- Built-in IR illuminators (6x), up to 98 ft range
- AI-powered Vehicle Recognition: type, color, front-seat passenger, licensed/unlicensed status
- Vehicle detection rate ≥99%, max. detection speed up to 60 km/h
- Smart TrackFrame for intelligent plate and path display
- Built-in microSD card slot, up to 128 GB
- 12V DC and PoE+ power supply
- IP67 rated

SPECIFICATION

Camera

Image Sensor	1/1.8" CMOS
Image Resolution	2688 × 1520 (OSD black strip excluded)
Min. Illumination	0.002 lx (built-in illuminator on)
Electronic Shutter Speed	Auto/Manual 1/25 s–1/10,000 s
Noise Reduction	3D NR
Wide Dynamic Range	96 dB
White Balance	Auto; Regional Custom; Manual; Outdoor; Natural; Street Lamp
Exposure Mode	Full auto, Customized auto, Customized
Iris Control	Auto (W:1.33—T:1.34)
Trigger Mode	Video detection; I/O coil
Shutter Mode	Single shutter
Lens Type	Module
Lens Mount	Module
Focal Length	0.39"–1.97" (10 mm–50 mm)
Field of View	H: 40.55° (W)–9.33° (T) V: 22.7° (W)–5.3° (T) D: 46.6° (W)–10.63° (T)
Detected Width	19.69 ft–22.97 ft (6 m–7 m)
Capture Distance	26.25 ft–98.42 ft (8 m–30 m)



Illuminator Number	6 IR illuminators, brightness adjustable
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Illumination Range	98.43 ft (30 m)
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Video

Video Compression	H.264H; H.265; MJPEG; H.264M
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Image Encoding Format	JPEG
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Resolution	Main stream: 4MP (2688×1520), UXGA (1600×1200), 1080p (1920×1080), 720p (1280 × 720) / Sub stream: 720p (1280 × 720), 960H (960× 480), D1 (704 × 480), CIF (352 × 240)
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Maximum Frame Rate	NTSC: Main stream (2688×1520@30 fps, 1600×1200@30 fps, 1920 × 1080@30 fps, 1280 × 720@30 fps), sub stream (1280 × 720@30 fps, 960× 480@30 fps, 704 × 408@30 fps, 352 × 240@30 fps)
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Video Bit Rate	H.264: 2,615 Kbps–15,689 Kbps / H.265: 2,615 Kbps–15,689 Kbps / MJPEG: 7,845 Kbps–47,068 Kbps
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Video Metadata	Yes
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Intelligent Analysis

Auto Registration	Yes
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Max. Detection Speed	196,850.39 ft/h (60 km/h)
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Vehicle Detection	Vehicle detection rate ≥ 99%
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Vehicle Recognition	Supports recognizing vehicle type, vehicle color and front-seat passenger, licensed/unlicensed vehicle. Vehicle
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	recognition rate $\geq$ 95%
Smart TrackFrame	Intelligent frame display. Supports displaying plate and vehicle path.

Event

Alarm Event	Alarm for events of no storage card, storage card no space, storage card error, network disconnection, IP conflict, and illegal access
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Network

Automatic Network Replenishment (ANR)	Yes. Transfer through platform/FTP
Security	Authorized user name and password, MAC address binding, HTTPS encryption, IEEE 802.1x, and network access control
Image Tampering Prevention	Yes. Video/image can be checked with watermark and verification function

Interface

Network Port	1 $\times$ 100/1000 M Ethernet port (RJ-45)
RS-485	2
Alarm Input	2-channel optocoupler input (on-off input)
Alarm Output	2-channel relay output, which can connect to devices such as barriers
Audio Output	1 channel (RCA port)
Wiegand	1 Channel
Storage	Built-in 1 TF card port, supports max 128 G.



General

Power Supply	12 VDC, PoE+
Power Consumption	< 20 W
Casing Material	Metal + plastic
Protection	IP67
Installation	Wall mount, pole mount and ceiling mount
Operating Temperature	–22 °F to +149 °F (–30 °C to +65 °C)
Operating Humidity	10%–90% (RH), non-condensing
Product Dimensions	19.58" × 4.79" × 5.12" (497.4 mm × 121.6 mm × 130 mm) (L × W × H)
Packaging Dimensions	24.61" × 12.01" × 10.63" (625 mm × 305 mm × 270 mm)
Net Weight	7.05 lb (3.2 kg)
Gross Weight	11.46 lb (5.2 kg)

Dimension

