AI NETWORK CAMERA

VI-C340-E

4MP IR Fixed-focal AI Bullet Network Camera



4MP	30 m	PoE	IP67
Resolution	IR distance	802.3af · Wi-Fi	Outdoor

Key Features

- 1/3" 4MP progressive scan CMOS sensor
- Max. 2560 × 1440 @ 30 fps
- H.265 / H.264, dual stream
- IR distance up to 30 m, built-in spotlight
- Auto ICR day/night, digital WDR
- Human detection, face recognition
- Area intrusion and line crossing
- Digital display reading (OCR), QR and barcode scanning
- RS485 interface with Modbus RTU (version-dependent)
- ONVIF Profile S/T, RTSP, RTMP, HTTP, WebRTC
- Micro SD up to 256 GB with AES-128-CTR encryption
- PoE (802.3af), DC 12V, Wi-Fi 2.4 GHz
- IP67, −20 °C to 70 °C

Series Overview

The VI-C340-E is a 4MP bullet camera designed for outdoor security and industrial monitoring. It supports flexible integration of AI analytics tailored to the real needs of each application. Depending on the version, it can be equipped with an RS485 interface to connect to and collect data from sensors and industrial devices over Modbus.

Each device has its own unique encryption key to protect local data. The key is regenerated automatically after every factory reset, strengthening information security.

The camera supports on-site monitoring and delivers video and data to NVR, VMS and IoT platforms, and can also operate stand-alone through the VIVOO app and Cloud.

VIVOO app: App Store | Google Play

Key Functions

AI Detection – Fewer False Alarms

A 6-layer AI filter combines motion analysis with object tracking over time to improve accuracy and minimize false alarms.

Alert Zone Setup

Supports intrusion detection zones and line crossing detection, with automatic alerts when an object violates a monitored area.

Night Vision

IR up to 30 m with auto ICR and a built-in spotlight for color night images, with scheduled on/off by time.

Industrial Data Connectivity (version-dependent)

RS485 Modbus RTU connects to and collects data from sensors, PLCs and industrial devices.

Open Integration Protocols

Supports ONVIF Profile S/T, RTSP(S), RTMP(S), HTTP(S) APIs and WebRTC for easy integration with NVRs, VMS and third-party platforms.

Durability & Security

IP67-rated design operating from −20 °C to 70 °C, with user data encryption.

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Technical Specification

Camera	Image Sensor	1/3" Progressive Scan CMOS
	Max. Resolution	2560 × 1440 (4MP)
	Day/Night	Auto ICR (IR-cut filter)
	WDR	Digital WDR
	Illuminator	Built-in IR LEDs and spotlight
	Illumination Distance	Up to 30 m (IR)
	Illuminator Control	Day / Night / Auto
Lens	Lens Type	Fixed-focal
	Focal Length	2.8 mm / 4 mm / 6 mm (optional)
	Max. Aperture	F2.0
	Field of View	H: ≥ 80°; V: 43°; D: 98°
	Zoom	Not supported
Intelligence	AI Detection	Motion detection, human (humanoid) detection
	Face Recognition	Identification against registered faces
	Perimeter Protection	Area intrusion, line crossing
	Display Recognition	Reads numeric values from digital screens (OCR)
	Auto-ID	Real-time QR code and barcode scanning; outputs data and images over network protocols
Video	Video Compression	H.265 / H.264
	Stream Capability	2 streams
	Main Stream	2560 × 1440 @ 15 fps (up to 30 fps)
	Sub Stream	1280 × 720 @ 15 fps (up to 30 fps)
	OSD	Camera name, time stamp
	Time Format	Multiple formats (DD/MM/YYYY, …)
	Watermark	Custom text or logo
Audio	Built-in Mic	Yes
	Audio Compression	G.711 / AAC
	Sampling Rate	8 kHz
Alarm	Alarm Event	Motion, human, area intrusion, line crossing
	Notification	Instant push alert with snapshot (VIVOO app)
	Alarm Schedule	Configurable time slots, 24/7
	Event Recording	3 s pre-record, 30 s post-record
Client	Web Client	Local web interface (English)
	Mobile Client	VIVOO app (Android, iOS)
Maintenance	Firmware Upgrade	OTA via app or web, typically 3–5 min, auto reboot
	Integrity Check	MD5 / SHA256 checksum
	Reset	Physical reset button, software reset

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Technical Specification (continued)

Network	Network Port	RJ45 Ethernet with PoE (IEEE 802.3af)
	Wireless	Wi-Fi IEEE 802.11 b/g/n, 2.4 GHz
	Wi-Fi Security	WPA/WPA2-PSK, WPA3 (optional)
	Network Protocol	IPv4, TCP/IP, HTTP, DHCP, DNS, NTP, RTSP, RTP, RTCP, RTMP
	Interoperability	ONVIF Profile S, Profile T; works with Hikvision, Dahua NVRs
	Streaming	RTSP(S) pull; RTMP(S) push, H.264/H.265 + AAC
	Remote Access	P2P with NAT traversal (STUN/TURN), DTLS encryption
	Industrial Interface	RS485, Modbus RTU (version-dependent)
Storage	Local Storage	Micro SD card, up to 256 GB
	SD Encryption	AES-128-CTR, per-device unique key, enable/disable (default disabled)
	Recording Mode	Continuous / Event
	Auto Rotation	Deletes oldest files when usage exceeds 80%
	File Format	MP4 (H.264 / H.265), plays in VLC, Windows Media Player
	Cloud Storage	Event-based cloud recording (subscription); local and cloud playback
Power	Power Supply	DC 12V/1A adapter (included)
	Power Input	DC 12V or PoE (IEEE 802.3af)
	Power Consumption	Max. 5 W; typical 3 W
Environment	Operating Temperature	−20 °C to 70 °C
	Operating Humidity	15% to 95% RH
	Protection	IP67
Structure	Casing	Metal and plastic
	Product Dimensions	154 × 66 × 69 mm
	Net Weight	Approx. 325 g

Ordering Information

Type	Model	Description
4MP Camera	**VI-C340-E**	4MP IR Fixed-focal AI Bullet Network Camera
4MP Camera	**VI-C340EW-P**	4MP AI Bullet Network Camera, Wi-Fi + PoE

Lens: 2.8 mm, 4 mm or 6 mm, specify when ordering. In the box: camera, DC 12V/1A power adapter.

VIVOO Technology · 3rd Floor, Hpcons Building
2/13A Bach Dang St., Tan Son Hoa Ward, Ho Chi Minh City, Vietnam

vivooeye.com
Hotline 0367939867

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