

Outdoor Full-Color

LPR Motorized Varifocal Bullet Network Camera

MODEL: InSight LPR345Z



5X Optical Zoom

4MP | H.265+

Audio and Alarm
Interface Available

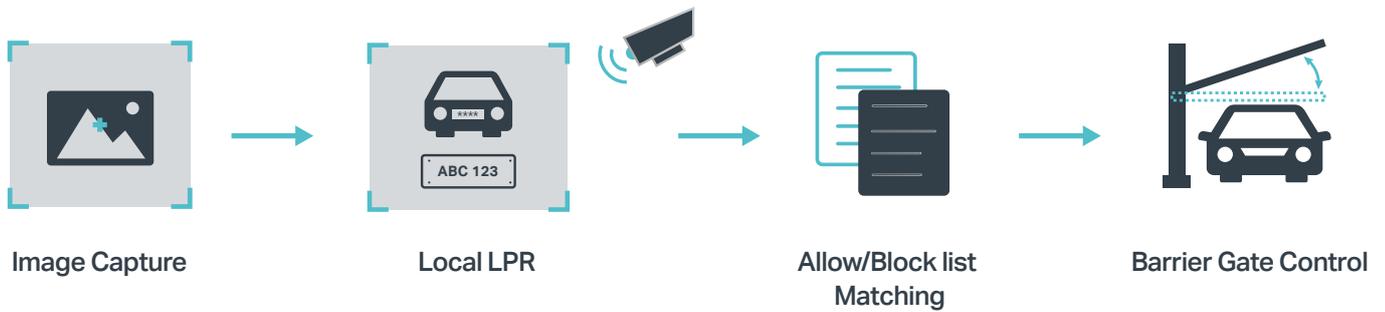
Built-in
Microphone

True
WDR

IP67
Weatherproof

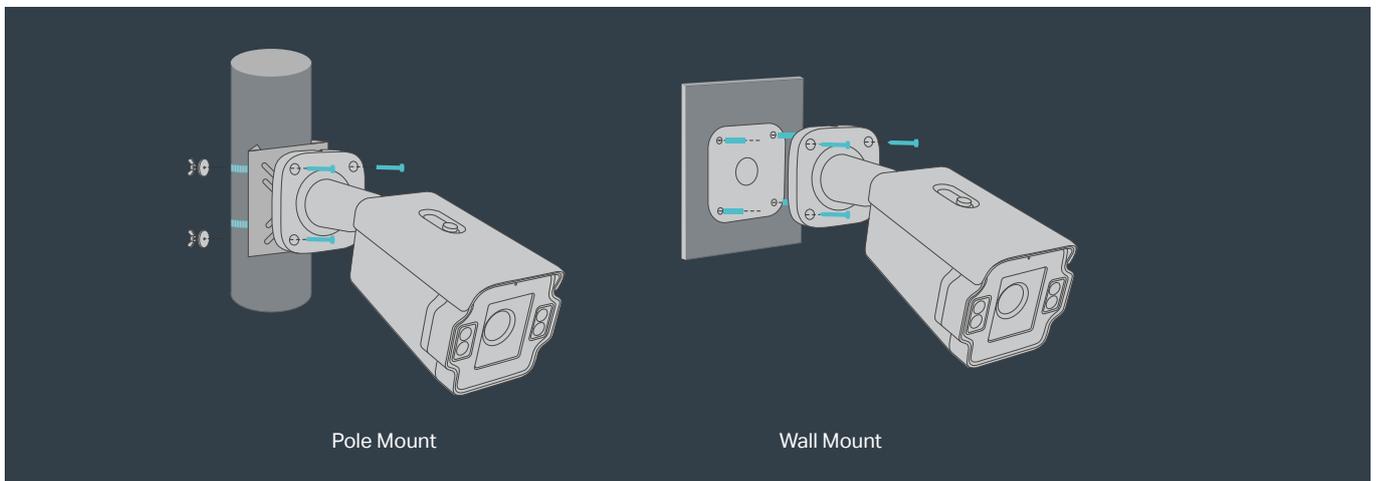
// Reliable ANPR Capability for Parking Exit/Entrance Vehicle Access Control

Engineered specially for vehicle access control, this camera delivers instant and precise license plate recognition and recording, with real-time allowlist/blocklist, enhancing security while reducing manual verification. Ideal for gated communities, corporate campuses, and secure facilities.

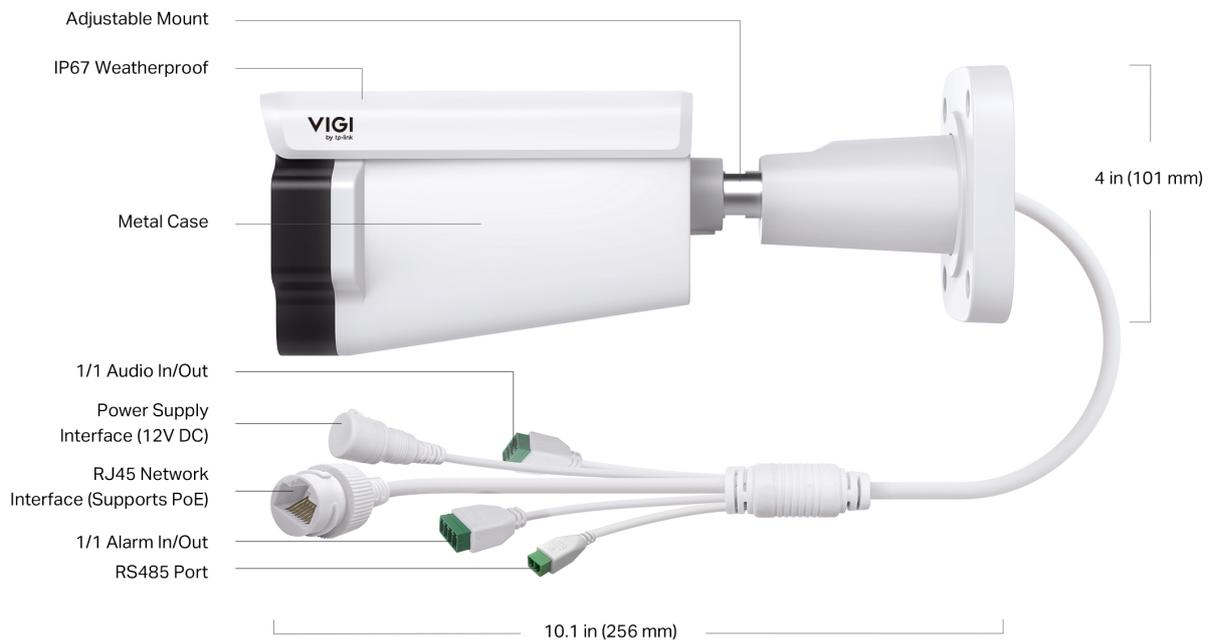


// Flexible Installation

Find the perfect vantage point by simply securing your camera to the wall, or pole.*



// Build Features



*The microSD card and pole mounting kits are not included in the package

// Specifications

Camera	
Product Model	InSight LPR345Z
Image Sensor	1/2.9" Progressive Scan CMOS
Shutter Speed	1/100 to 1/1000 s
Slow Shutter	Yes
Min. Illumination	0.005 Lux; 0 Lux with White Light
Lens	
Type	Motorized Varifocal Lens
Focal Length	2.7-13.5 mm (5X Optical Zoom)
Aperture	F1.6
FOV	2.7-13.5 mm: <ul style="list-style-type: none">• Horizontal FOV: 29.6°-102.0°• Vertical FOV: 16.8°-53.8°• Diagonal FOV: 34.1°-122.8°
Lens Mount	Φ14
DORI Distance	2.7-13.5 mm: <ul style="list-style-type: none">• Detect: 66-207 m (217-579 ft)• Observe: 28-86 m (92-282 ft)• Recognize: 13-41 m (43-135 ft)• Identify: 7-21 m (23-69 ft)
Angle Adjustment (Manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°
Illuminator	
White LED	• Quantity: 4
Illuminator On/Off Control	Auto/Scheduled/Always off
Video	
Max. Resolution	2688 x 1520

Main Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 2688x1520, 2560x1440, 2304x1296, 2048x1280, 1920x1080
Sub-Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 1280x720, 848x480, 704x576, 640x480, 640x360, 352x288, 320x240
Bit Rate Control	CBR, VBR
Video Compression	<ul style="list-style-type: none"> • Main Stream: H.265+/H.265/H.264+/H.264 • Sub-Stream: H.265/H.264
H.264 Type	High Profile
H.264+	Main Stream Supported
H.265 Type	Main Profile
H.265+	Main Stream Supported
Video Bit Rate	<ul style="list-style-type: none"> • Main Stream: 256 Kbps to 6 Mbps • Sub-Stream: 64 Kbps to 1024 Kbps
Image	
Image Settings	<ul style="list-style-type: none"> • Mirror • Brightness • Contrast • Saturation • Sharpness • Exposure • White Balance
Image Enhancement	BLC/3D DNR
Wide Dynamic Range	120 dB
SNR	≥ 52 dB
Image Parameters Switch	Yes
Privacy Mask	Up to 4 Masks

ROI	1 Region
OSD Setting	Yes
Audio	
Audio Input	Built-in Microphone Audio In Interface
Audio Output	Audio Out Interface
Audio Compression	Yes
Audio Sampling Rate	8KHz
Environment Noise Filtering	Yes
Audio Bit Rate	64 Kbps(G.711 alaw)
Network	
Protocols	TCP/IP, UDP, ICMP, ARP, SNMP, RTMP, HTTP, HTTPS, DHCP, DNS, RTSP, RTP, NTP, IPv4, IPv6, UPnP, SSL/TLS, FTP/SFTP
ONVIF	Yes
API	Open Network Video Interface (Profile G/S/T)
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
Client	Web UI
Web Browser	<ul style="list-style-type: none"> • Google Chrome® 57 and above • Firefox® 52 and above • Safari® 11 and above • Microsoft® Edge 91 and above
Cloud	Yes
Security	Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication, 802.1X authentication
Alarm and Event Management	
Basic Event	<ul style="list-style-type: none"> • Motion Detection • Camera Tampering • Exception (Illegal Login)
Alarm Linkage	<ul style="list-style-type: none"> • Push Notifications

License Plate Recognition Management

Capture Mode	<ul style="list-style-type: none">• Trigger Type: Video Detection, I/O Coil• Picture Type: Scene Picture, Scene Picture + Close-up Picture• Max Recognition Distance: 8 m (26 ft) at default zoom; 15 m (49 ft) at maximum zoom• Scene Mode: Entrance & Exit
Capture Parameters	<ul style="list-style-type: none">• Image Format: JPEG• Capture Resolution: 2560×1440• LED Control: Supports automatic light control/ time control of LEDs• Smart Recognition: ANPR• Capture Picture Overlay: Capture Time, Plate Number, Vehicle Permission Type (Allowlist, Blocklist, Temporary)
Entrance and Exit	<ul style="list-style-type: none">• Barrier Gate Control Mode: By Camera• Relay Output: 1-ch relay output, supporting opening and closing of barrier gates• Allowlist And Blocklist: Up to 100,000 allowlist and blocklist totally (recommended for use with a microSD card)

Interface

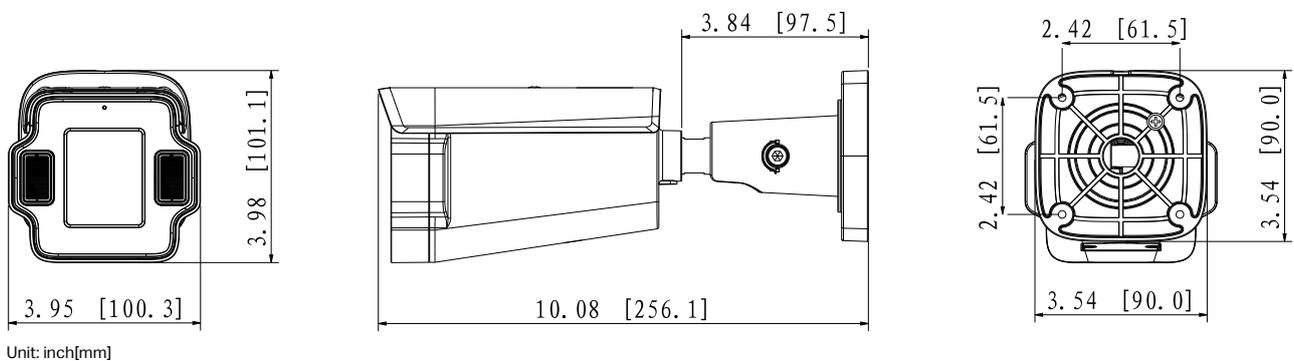
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
On-board Storage	Built-In Memory Card Slot, Support microSD Card, up to 512 GB*
Built-in Speaker	N/A
Built-in Microphone	Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera
Audio	1 Audio In, 1 Audio Out
Alarm	1 Alarm In, 1 Alarm Out
RS-485 Port	Yes
Reset Button	Yes
Power	DC Power Port

General

Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
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Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Contents	<ul style="list-style-type: none"> • VIGI Network Camera • Quick Start Guide • Waterproof Cable Attachments • Mounting Accessories
Power Supply	<ul style="list-style-type: none"> • 12V DC \pm 5%, Max.10.8 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af, class 0, Max.12.95 W
Protection	IP67 Weatherproof, IK10 Vandal Proof
Material	Metal
Net Weight	1.07 Kg
Product Dimensions	10.1 \times 3.9 \times 4 in (256 \times 100 \times 101 mm)
Certifications	CE, NTRA, KC, FCC, IP67, IC, IK10, VCCI, BSMI, ONVIF

Dimensions



*The Micro SD card and pole mounting kits are not included in the package.

Specifications are subject to change without notice and can be found at www.vigi.com.

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