tp-link | VIGI

Datasheet
Security Never Shuts Down

Outdoor Full-Color

4G Bullet Network Camera

MODEL: InSight S345-4G



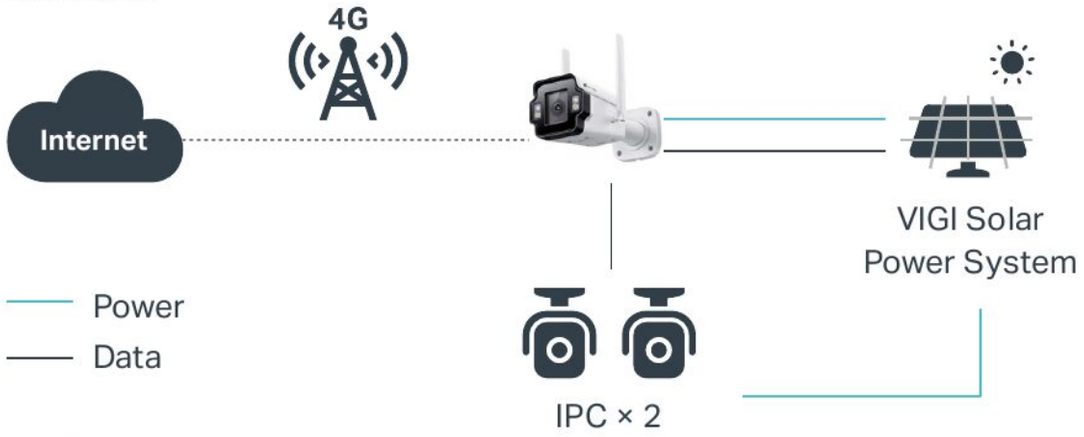
3 LAN Ports | Human & Vehicle Classification | Smart Detection | Active Defense | True WDR | IP66 Weatherproof

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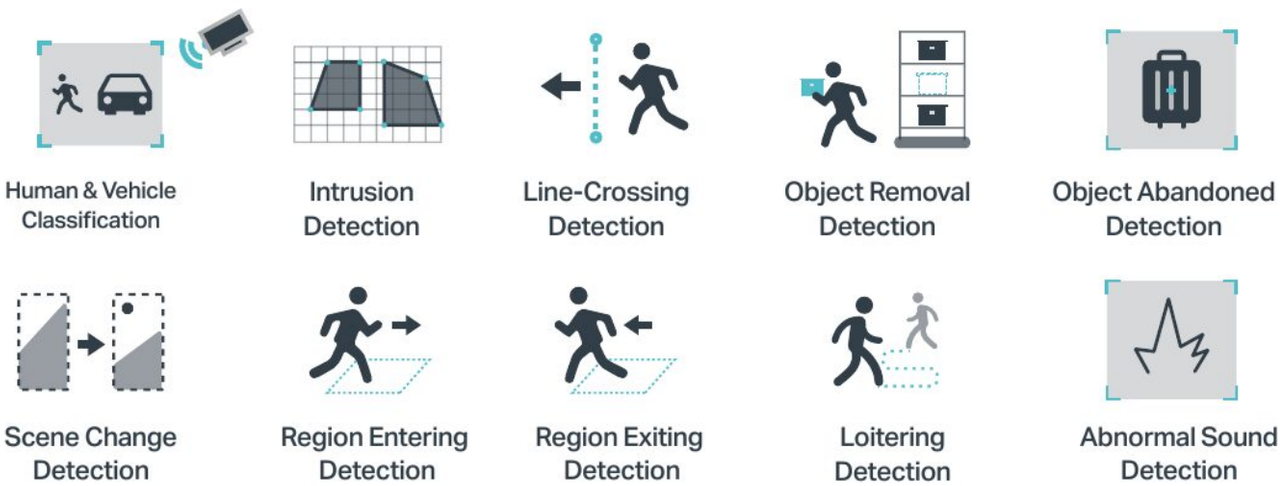
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3× LAN Ports Cut Costs for Solar Power Solutions

InSight S345-4G offers three LAN ports, enabling simultaneous connectivity for a solar power system and up to two cameras. Three cameras allow wide-area surveillance with minimal deployment effort—ideal for remote outdoor locations.

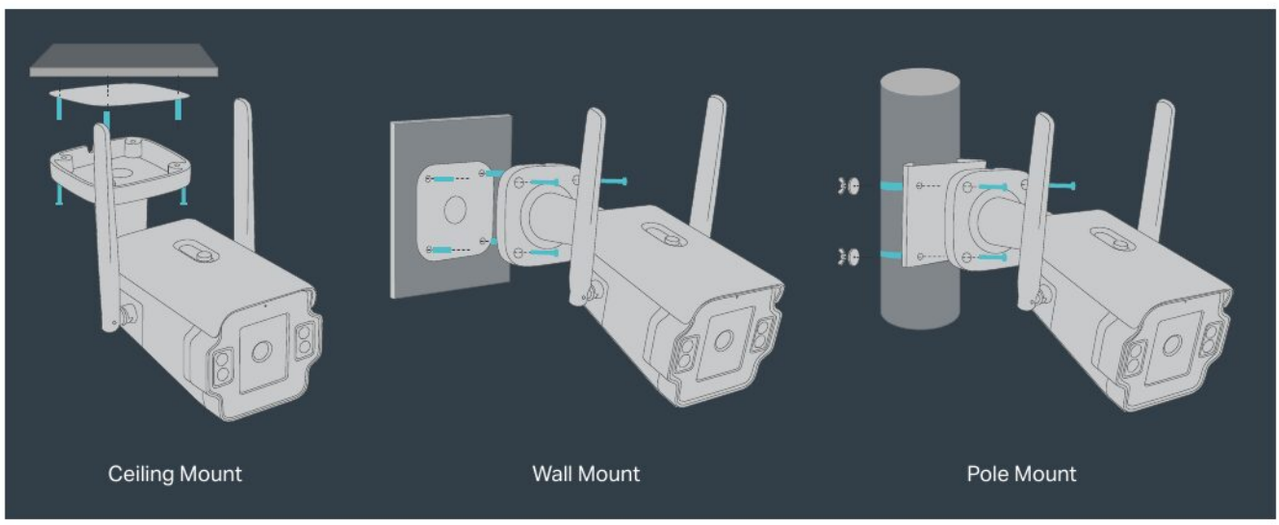


Smart Detection



Flexible Installation

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



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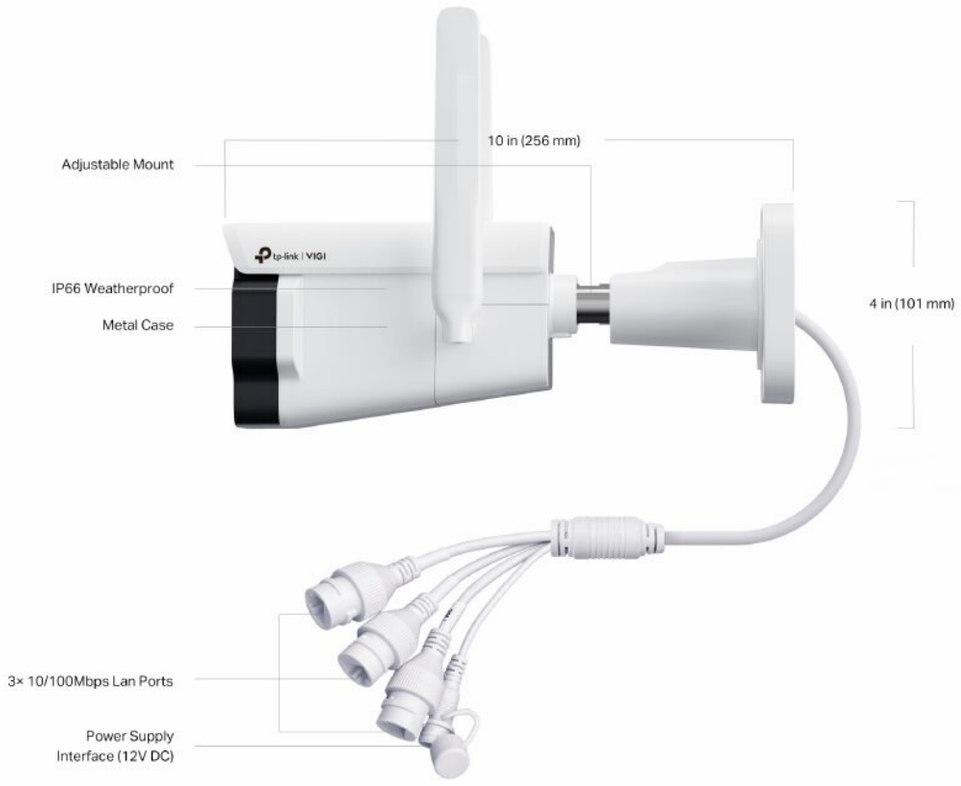
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Build Features





*The micro SD card, Nano-SIM card, and pole mounting kits are not included in the package.

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//Specifications

Camera	
Product Model	InSight S345-4G
Image Sensor	EU: • 1.0: 1/2.7" Progressive Scan CMOS • 1.20: 1/2.65" Progressive Scan CMOS US: 1/2.9" Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Min. Illumination	0.005 Lux; 0 Lux with IR/White Light
Day/Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
Lens	
Type	Fixed Focal Lens
Focal Length	4 mm
Aperture	F1.6
FOV	EU: • 1.0: Horizontal FOV: 80.4°, Vertical FOV: 41.8°, Diagonal FOV: 98.7° • 1.20: Horizontal FOV: 81°, Vertical FOV: 43.9°, Diagonal FOV: 96.39° US: Horizontal FOV: 86°, Vertical FOV: 43°, Diagonal FOV: 95°
Lens Mount	M12
DORI Distance	Detect: 80 m (262 ft) Observe: 33 m (108 ft) Recognize: 16 m (52 ft) Identify: 8 m (26 ft)
Angle Adjustment (Manual)	
Range	• Pan: 0° to 360° • Tilt: 0° to 90° • Rotate: 0° to 360°

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Illuminator	
Illuminator Type	• 2× IR LED • 2× White LED
Illuminator Distance	• IR LED: 50 m (164 ft) • White LED: 30 m (98 ft)
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Video	
Max. Resolution	2688 X 1520
Main Stream	• Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 2668x1520, 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720
Sub-Stream	• Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 848x480,704x576, 640x480, 640x360,352x288, 320x240 Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
Bit Rate Control	CBR, VBR
Video Compression	• 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	• Main Stream: 256 Kbps to 6 Mbps • Sub-Stream: 64 Kbps to 512 Kbps

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Image	
Image Settings	• Mirror • Rotation • Brightness • Contrast • Saturation • Sharpness • Exposure • WDR • White balance • Prevent overexposure to infrared light • HLC Adjustable by Client Software
Image Enhancement	BLC/3D DNR/HLC/SmartIR
Wide Dynamic Range	120 dB
Image Parameters Switch	Yes
Privacy Mask	Up to 4 Masks
ROI	1 Region
OSD Setting	Yes
Audio	
Audio Communication	Two-Way Audio
Audio Input	Yes (Built-in Microphone)
Audio Output	Yes (Built-in Speaker)
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, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6 (only for EU version), ARP, SMTP, RTMP
ONVIF	Yes
API	Open Network Video Interface (Profile G/S/T)
Simultaneous Live View	3 Main Streams & 3 Sub-Streams

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Client	VIGI App, Web UI, VIGI VMS, VIGI Cloud VMS, VIGI Config Tool, VIGI PC Client
Web Browser	• 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
4G	
4G Standard	EU: LTE-TDD/LTE-FDD/WCDMA US: LTE-FDD
SIM Type	Nano SIM* (US version supports data-only SIM card)
Category	4
Frequency	EU: • LTE-FDD: B 1/3/5/7/8/20/28 • LTE-TDD: B 38/40/41 • WCDMA: B 1/5/8 US: • LTE-FDD: B 2/4/5/12/13/14/66/71
Uplink and Download Data Rate	Uplink: 50 Mbps, Downlink: 150 Mbps
Antenna	• Quantity: 2 • Type: 690~960&1710~2690MHz Dipole Omni-Directional Antenna • Gain: EU: Ant1: 0.84dBi@690~960MHz, 2.85dBi@1710~2690MHz Ant2: 0.74dBi@690~960MHz, 3.06dBi@1710~2690MHz US: Ant1&Ant2: 0.8dBi@690~960MHz, 3dBi@1710~2690MHz

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Alarm and Event Management	
Smart Event	• Intrusion Detection • Line-Crossing Detection • Region Entering Detection • Region Exiting Detection • Object Abandoned Detection • Object Removal Detection • Loitering Detection • People Detection • Vehicle Detection • Abnormal Sound Detection • Scene Change Detection
Basic Event	• Motion Detection (Enhanced with Human & Vehicle Classification for more accurate alerts) • Video Tampering Detection • Exception (Illegal Login)
Alarm Linkage	• Memory Card Video Recording • Push Notifications • Active Defence-Sound Alarm • Active Defence-Light Alarm • Upload to FTP server • Send to Alarm Server • Email Alarm
Interface	
Network Interface	3 RJ45 10/100M LAN Ports
On-board Storage	Built-In Memory Card Slot, Support MicroSD Card, Up to 512 GB*
Built-in Nano-SIM Card Slot	Yes
Built-in Speaker	Yes
Built-in Microphone	Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera
Audio	N/A
Alarm	N/A
Reset Button	Yes
Power	DC Power Port

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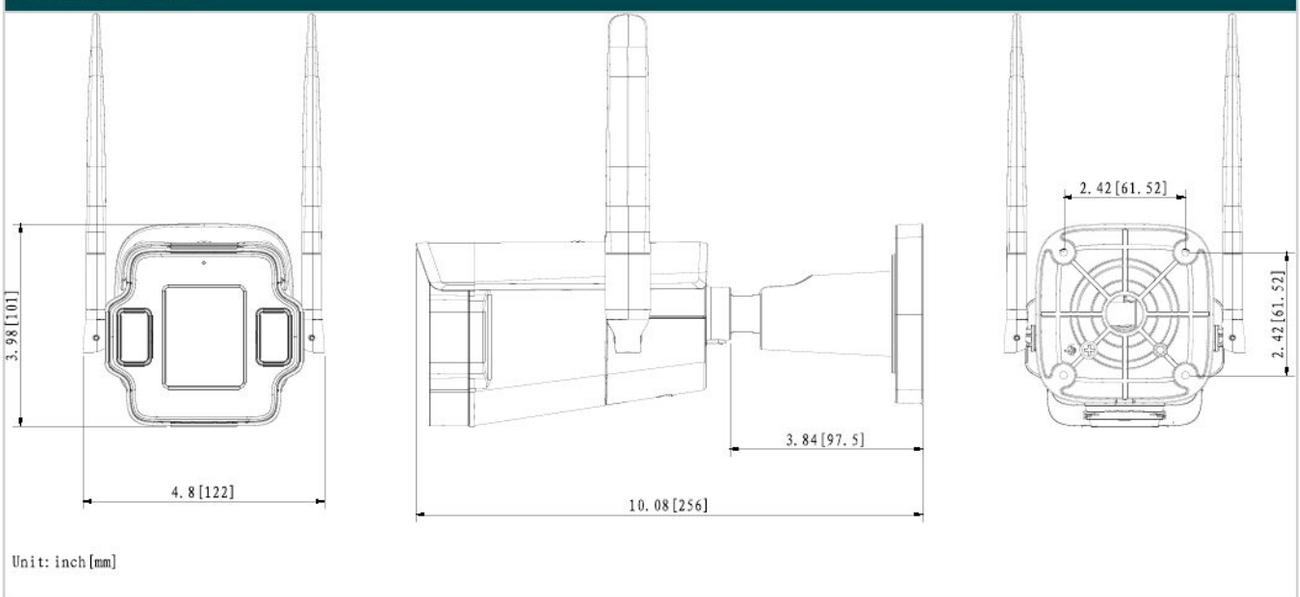
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General	
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Contents	• VIGI Network Camera • Quick Start Guide • Waterproof Cable Attachments • Mounting Accessories • Power Adapter
Power Supply	12V DC/1 A, 5.5 mm Coaxial Power Plug
Protection	IP66 Weatherproof
Material	Metal
Net Weight	1.09 Kg
Product Dimensions	10 × 4.8 × 4.0 in (256 × 122 × 101 mm) (excluding antennas)
Certifications	EU: CE CB NCC RCM NTRA KC IP66 ONVIF US: FCC IC IP66 ONVIF PTCRB T-Mobile Verizon AT&T

Dimensions



*Pole mounting kits, MicroSD card and Nano-SIM card are not included in the package. US version supports data-only SIM cards; voice and SMS services are not supported.

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

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