tp-link | VIGI

Datasheet
Security Never Shuts Down

Outdoor Full-Color

Bullet Network Camera

MODEL: InSight S345 (2.8mm/4mm/6mm)



4MP | H.265+
InSight S345

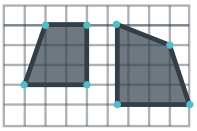
Human & Vehicle Classification | Smart Detection | Active Defense | True WDR | People & Vehicle Analytics

Human & Vehicle Classification

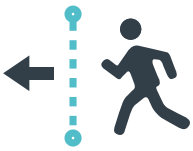
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



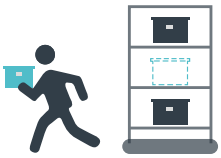
Smart Detection



Intrusion Detection



Line-Crossing Detection



Object Removal Detection



Abandoned Object Detection



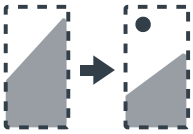
Region Entering Detection



Region Exiting Detection



Loitering Detection

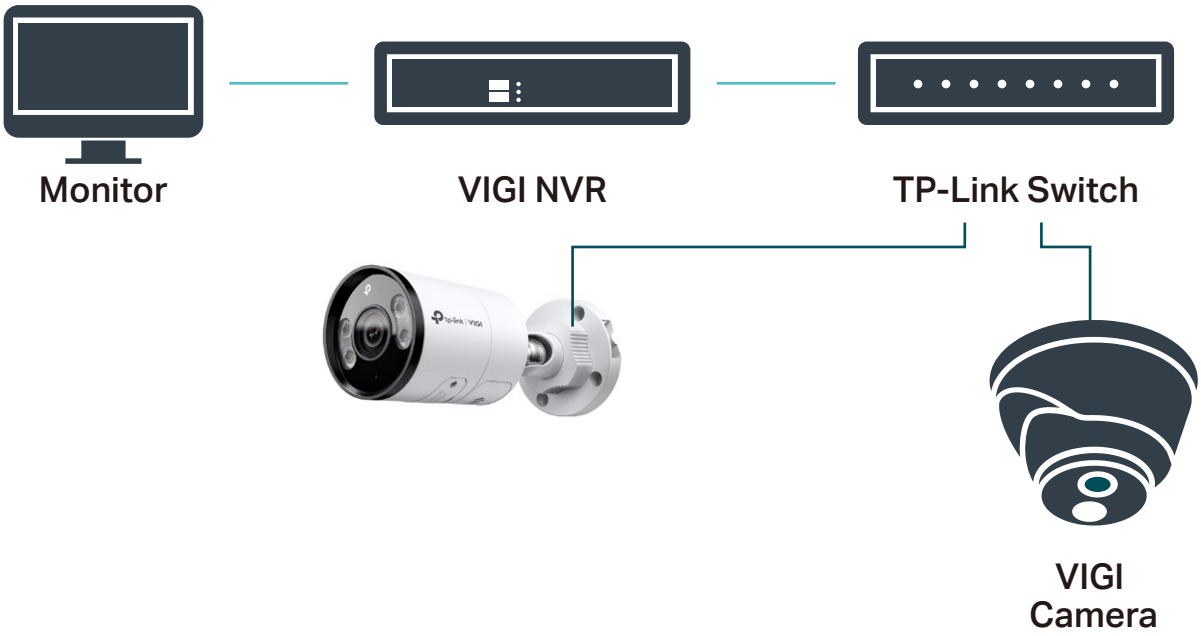


Scene Change Detection

VIGI Surveillance Solution

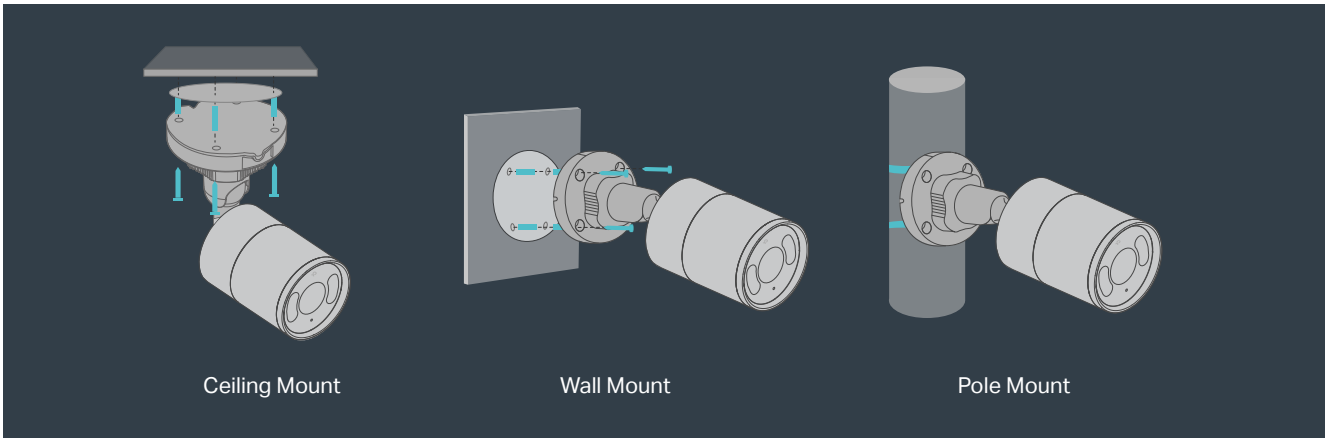
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

Outstanding functions, reliable quality guarantees, and simplified installation work together to ensure your business stays safe and sound.



Flexible Installation

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



Specifications

Camera	
Product Model	InSight S345 (2.8mm/4mm/6mm)
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	0.005 Lux; 0 Lux with IR/White light
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Day & Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/Scheduled/Auto
Lens	
Type	Fixed Focal Lens
Focal Length	2. 8mm/4 mm/6 mm
Aperture	F1.6
FOV	• 2.8 mm: Horizontal FOV: 100°, Vertical FOV: 54°, Diagonal FOV: 118° • 4 mm: Horizontal FOV: 80.4°, Vertical FOV: 41.8°, Diagonal FOV: 98.7° • 6 mm: Horizontal FOV: 52.7°, Vertical FOV: 29°, Diagonal FOV: 60.8°
Lens Mount	M12*P 0.5
DORI Distance	• 2.8 mm Detect: 64 m (210 ft) Observe: 27 m (89 ft) Recognize: 13 m (43 ft) Identify: 6 m (20 ft) • 4 mm Detect: 80 m (262 ft) Observe: 33 m (108 ft) Recognize: 16 m (52 ft) Identify: 8 m (26 ft) • 6 mm Detect: 120 m (394 ft) Observe: 50 m (164 ft) Recognize: 24 m (79 ft) Identify: 12 m (39 ft)
Angle Adjustment (manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°
Illuminator	
IR LED	Quantity: 2 Range: 30m Wavelength: 850nm

White LED	Quantity: 2 Range: 30m
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Video	
Max. Resolution	2688x1520
Main Stream	• Frame Rate 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 2688x1520, 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720 • Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
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
Image	
Image Settings	Mirror, 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 (WDR)	120 dB Note: When People & Vehicle Analytics is enabled, only DWDR is supported.
SNR	≥ 52 dB
Image Parameters Switch	Yes
Privacy Mask	Up to 4 Masks
ROI	1 Region

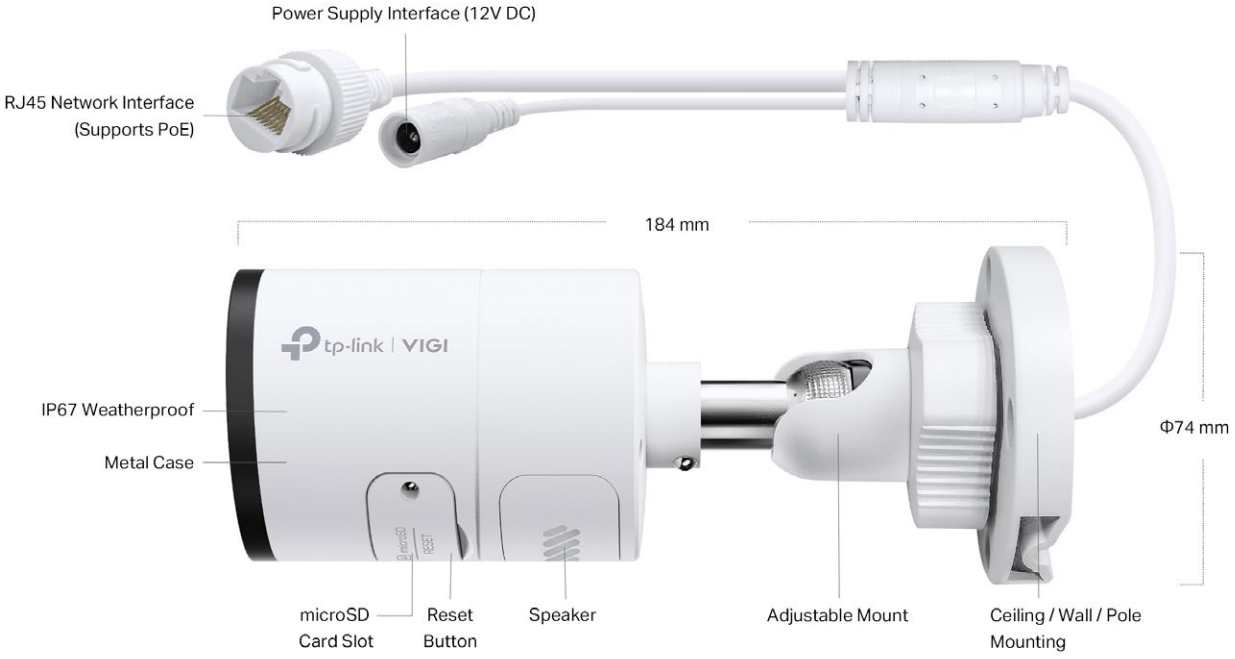
OSD Setting	Yes
Audio	
Audio Communication	Two-way audio
Audio Input	Yes
Audio Output	Yes
Audio Compression	Yes
Audio Sampling Rate	8 KHz
Environment Noise Filtering	Yes
Audio Bit Rate	64 Kbps (G.711 alaw)
Network	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP
API	Open Network Video Interface (Profile S/T/G)
Web Browser	Google Chrome® 57 and above Firefox® 52 and above Safari® 11 and above Microsoft® Edge 91 and above
Security	Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
Client	VIGI App, VIGI Security Manager, VIGI NVR, Web, VMS Local, VIGI Cloud VMS
Cloud	Yes
ONVIF	Yes
Interfaces	
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
On-board Storage	Built-In Memory Card Slot, MicroSD Card Supported, up to 512 GB**
Built-in Speaker	Yes
Built-in Microphone	Yes; Record Anything Going on within a 15-ft Radius of the Camera
Audio	N/A
Alarm	N/A
Reset Button	Yes

Power	DC Power Port
Alarm and Event Management	
Smart Event	• Human & Vehicle Classification • 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 • Video Tampering Detection • Exception (Illegal Login)
Alarm Linkage	• Memory Card Video Recording • Message Push • Audible Warning • White Light Flashing
Linkage Method	N/A
Output Notification	Message Push
Deep Learning Function	
People & Vehicle Analytics	Search and filter to people or vehicle of interest based on many different attributes, making post-event search faster and easier.
General	
Operating Temperature	-30–60 °C
Storage Temperature	-40–60 °C
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Power Supply	• 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 10.7 W
Material	Metal
Protection	IP67
Product Dimensions (L x W x H)	74 × 184 × 74 mm
Package Contents	VIGI Network Camera Quick Start Guide Waterproof Cable Attachments Mounting Accessories
Net Weight	0.525 Kg

Certifications	CE, NTRA, VCCI, KC, BSMI, FCC, IC

Build Features





§This function must be used with VIGI specified software.

△When People & Vehicle Analytics is enabled, only DWDR is supported.

*Calculations based on laboratory testing using a 3MP VIGI camera, and an actual performance may vary according to the amount of activity recorded, resolution and other variables.

**SD card is not included in the package.

Specifications are subject to change without notice and can be found at www.tp-link.com.

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