tp-link | VIGI

Datasheet
Security Never Shuts Down

Full-Color
Dome Network Camera

MODEL: InSight S245



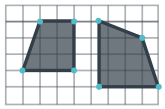
People & Vehicle Analytics* | Human & Vehicle Classification | Smart Detection | Two Way Audio

Human & Vehicle Classification

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



Smart Detection



Intrusion Detection



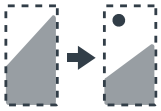
Line-Crossing Detection



Object Removal Detection



Object Abandoned Detection



Scene Change Detection



Region Entering Detection



Region Exiting Detection



Loitering Detection

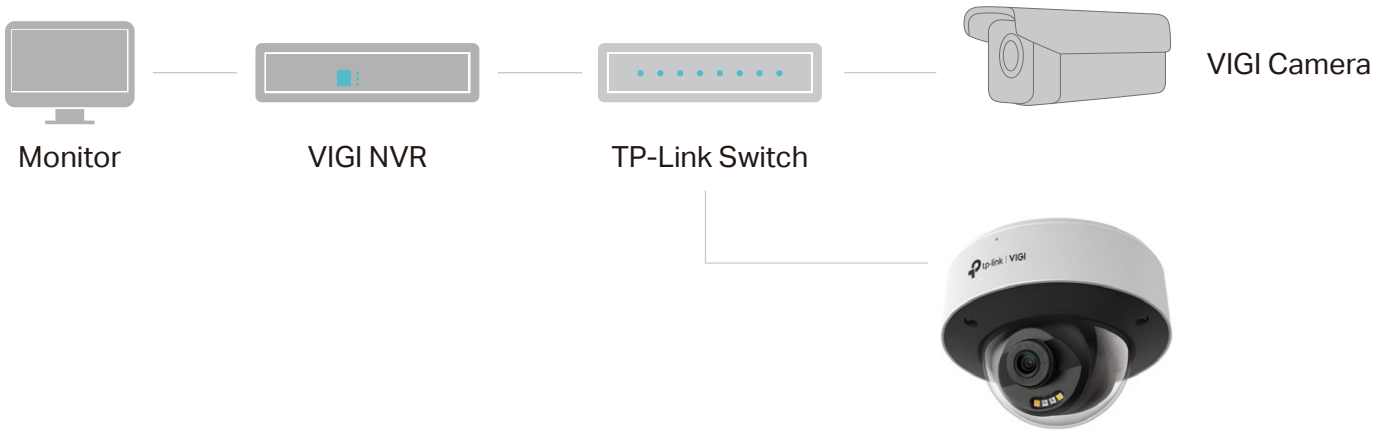


Abnormal Sound Detection

VIGI Surveillance Solution

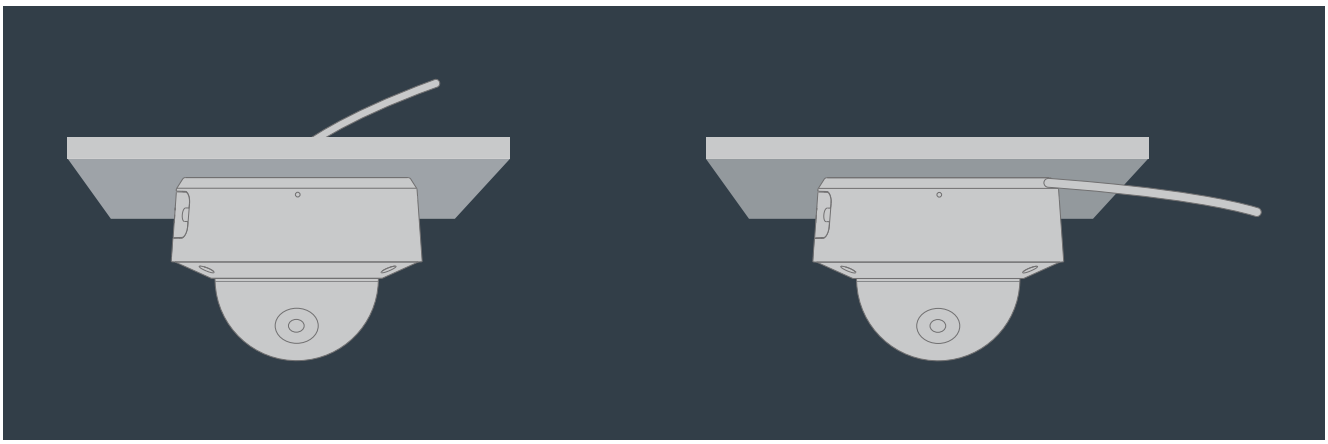
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

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

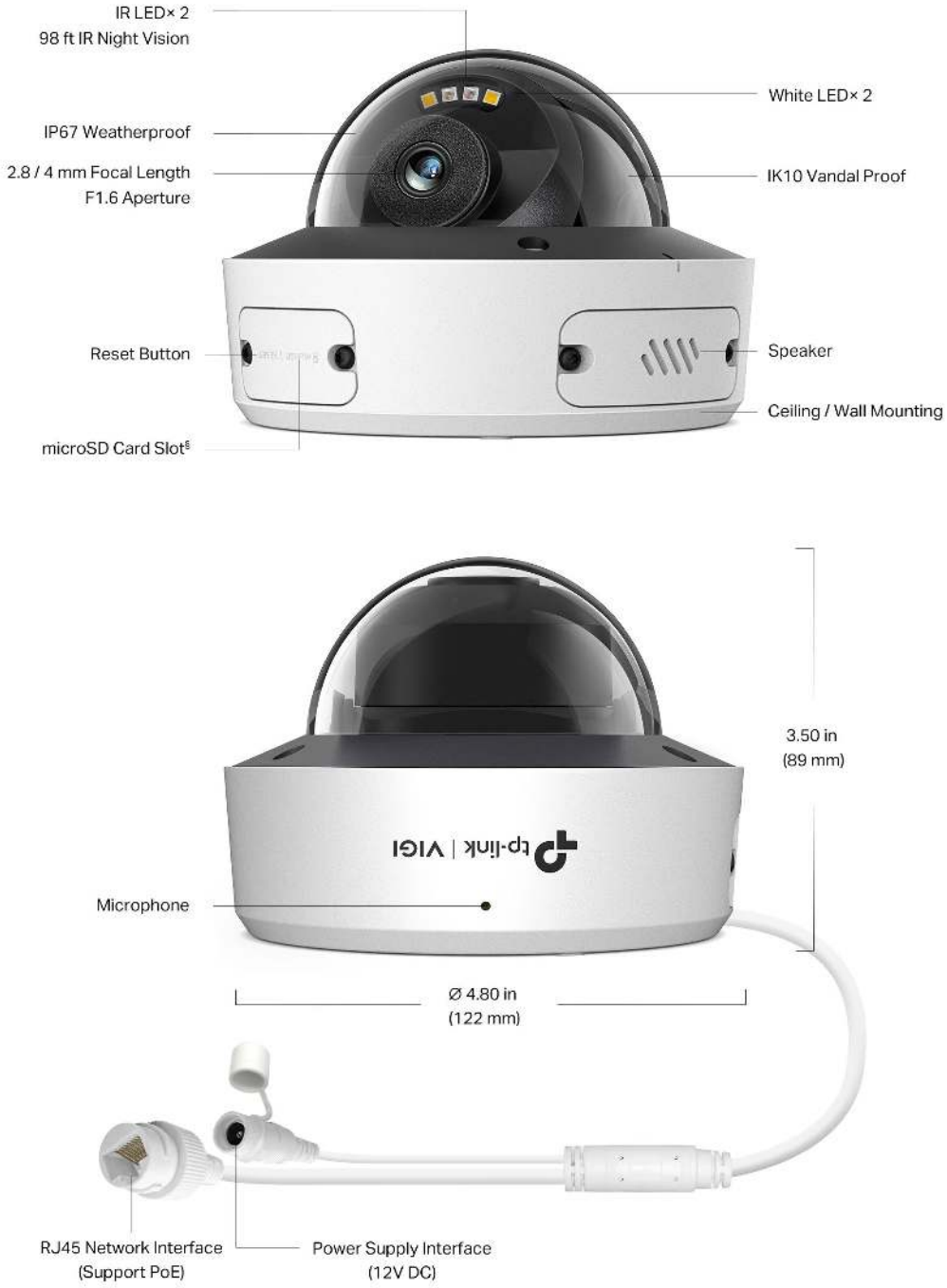


Flexible Installation

Easily route your camera's cable into a dropped ceiling or avoid drilling by slotting it through the camera's side outlet.



Build Features



[5]The micro SD card is not included in the package.

Specifications

Camera	
Product Model	InSight S245
Image Sensor	1/2.7" 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	2.8 mm / 4 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°
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)

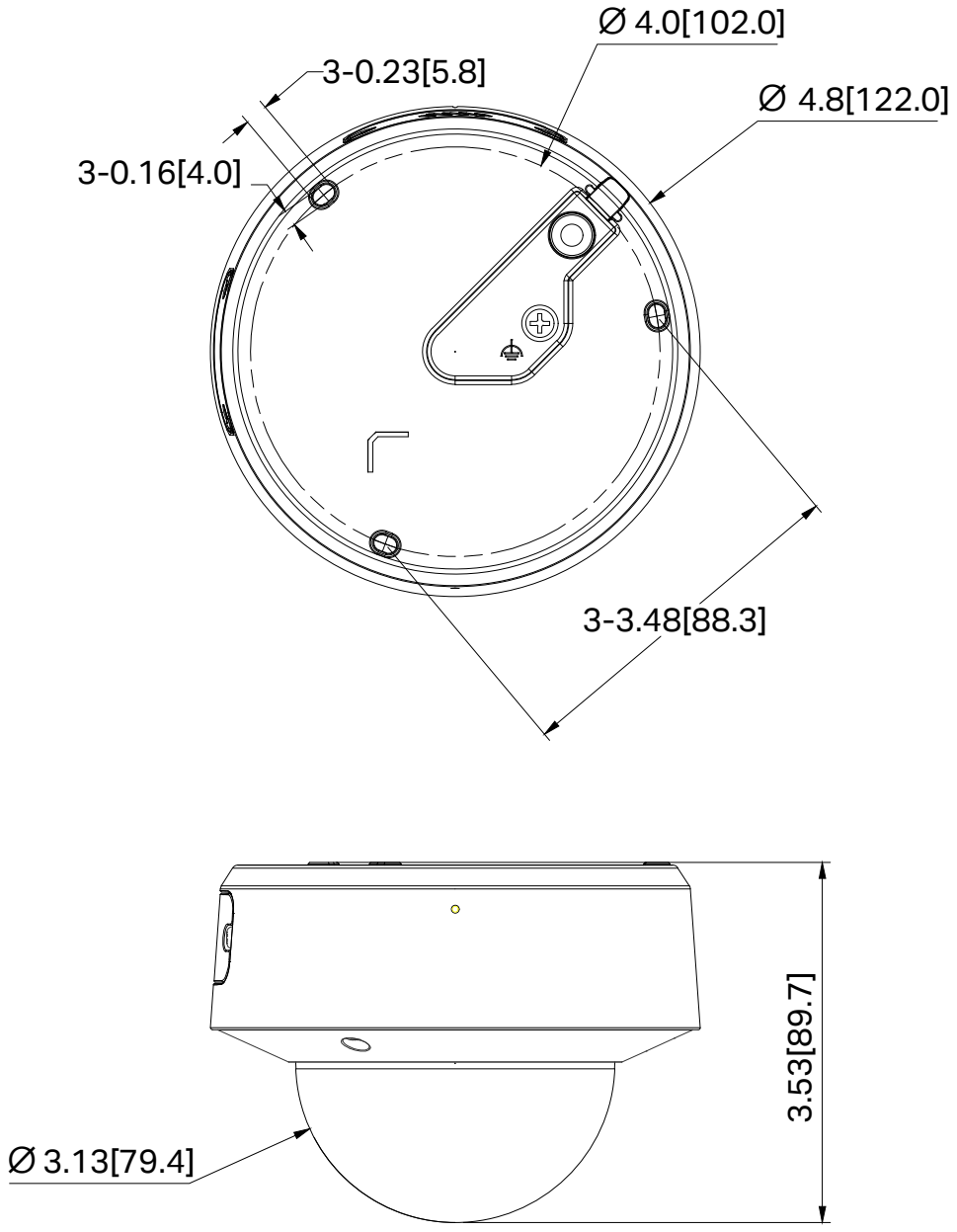
Angle Adjustment (Manual)	
Range	Pan: 0° to 346°, Tilt: 0° to 75°, Rotation: 0° to 355°
Illuminator	
IR LED	• Quantity: 2 • Range: 30m • Wavelength: 850nm
White LED	• Quantity: 2 • Range: 30m
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Video	
Max. Resolution	2688 x 1520
Main Stream	• 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	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 (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, 802.1x, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP, SMTP, SNMP, RTMP

ONVIF	Yes
API	Open Network Video Interface (Profile S/T/G)
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
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
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) • Camera Tampering • Exception (Illegal Login)
Alarm Linkage	• Memory Card Video Recording • Message Push • Audible Warning • White Light Flashing
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.†

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	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
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 Supply	• 12V DC ± 5%, Max. 10.54 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 12.52 W
Protection	IP67 Weatherproof, IK10 Vandal Proof
Material	Metal
Net Weight	0.62 Kg
Product Dimensions	4.80 × 4.80 × 3.50 in (122 × 122 × 89 mm)
Certifications	CE, NTRA, FCC, VCCI, BSMI, ONVIF, KC

Dimensions



Unit: inch[mm]

†This function must be used with VIGI specified software.

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

**Micro 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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