



Datasheet
Security Never Shuts Down

Full-Color

Turret Network Camera

MODEL: InSight S425 (2.8mm/4mm)



2MP | H.265+

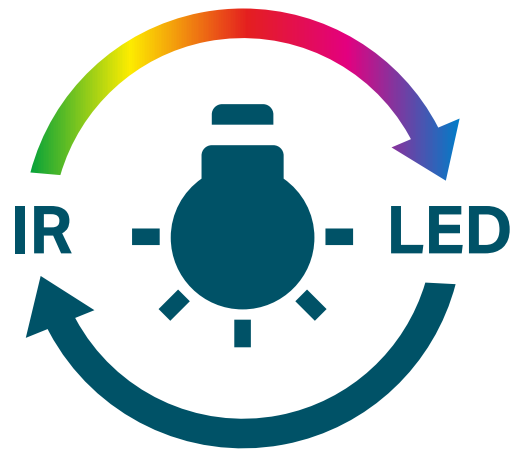
**Human & Vehicle
Classification**

**Smart
Detection**

**Built-in
Microphone**

// LightPro Night Vision Technology

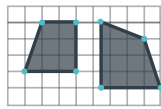
Intelligently switches between IR and full-color night vision by detecting people or vehicles, effectively minimizing light pollution and conserving energy.



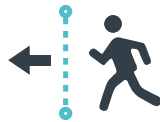
// Smart Detection



Human & Vehicle
Classification



Intrusion
Detection



Line-Crossing
Detection



Region Entering
Detection

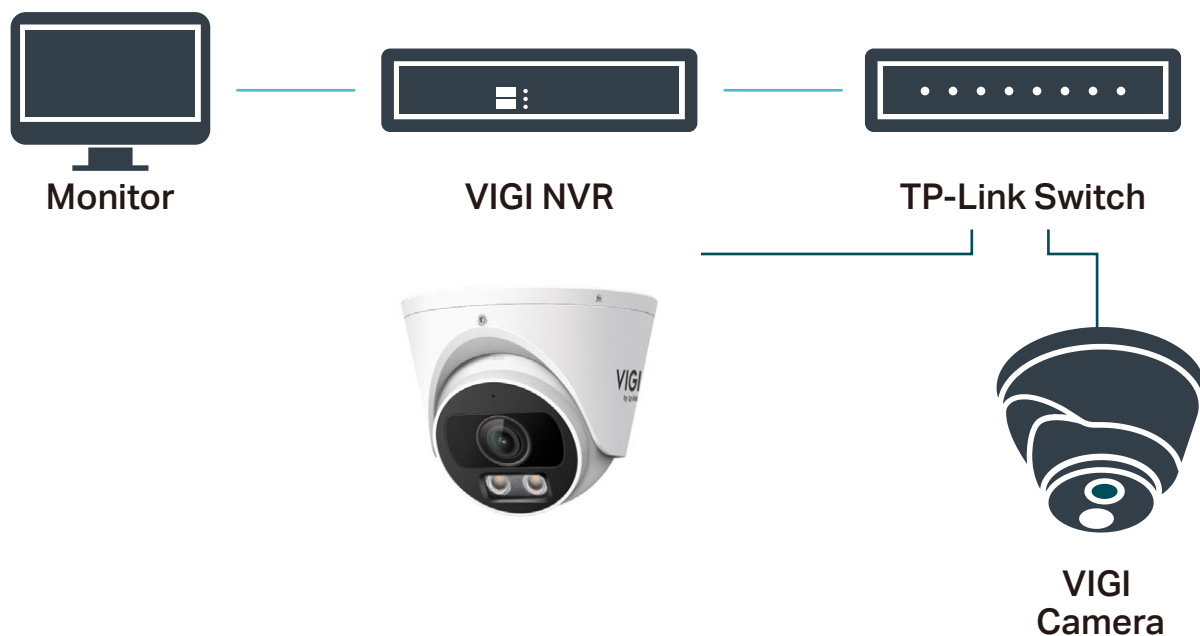


Region Exiting
Detection

// 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.

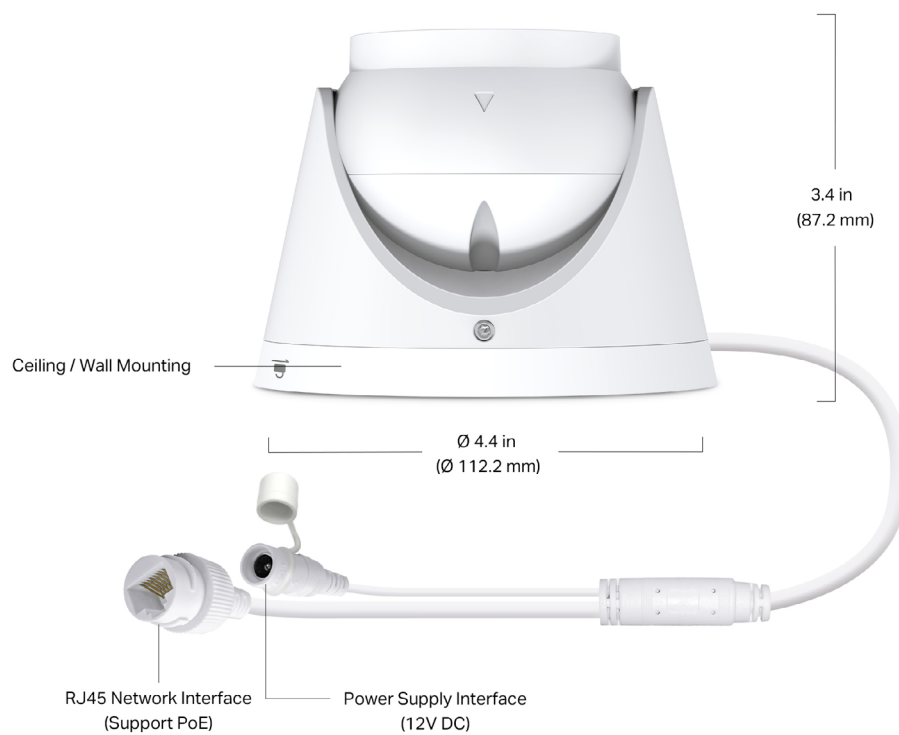


// Flexible Installation

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



// Build Features

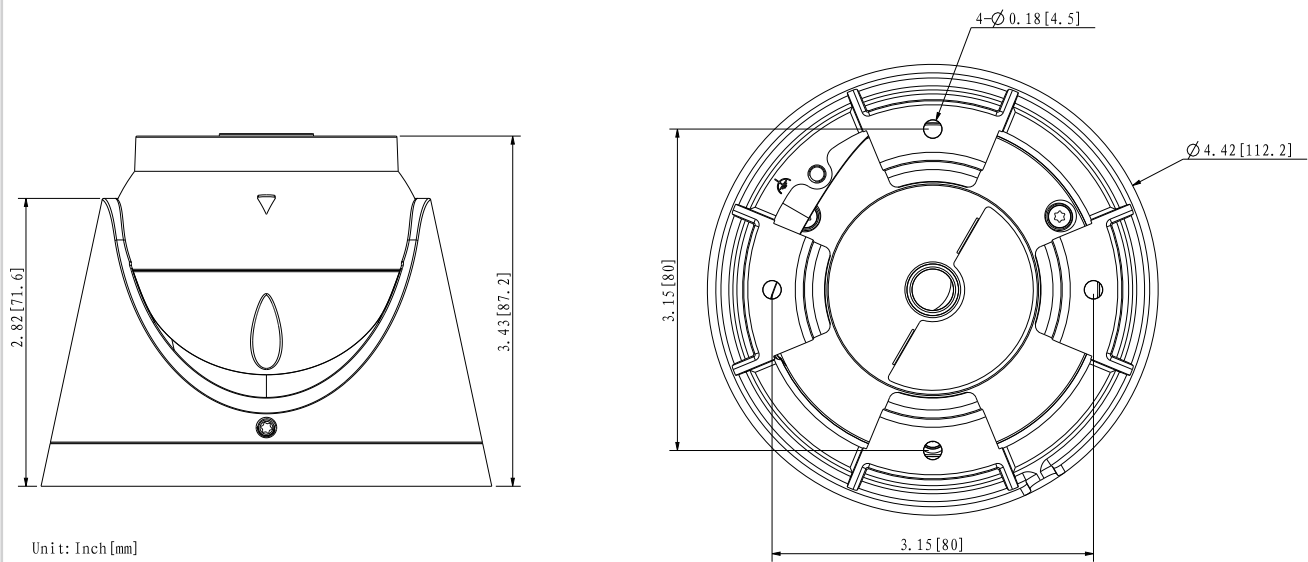


// Specifications

Camera	
Product Model	InSight S425 (2.8mm/4mm)
Image Sensor	1/3" 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	2.8 mm / 4 mm
Aperture	F2.0
FOV	• 2.8 mm: Horizontal FOV: 98.8°, Vertical FOV: 53.5°, Diagonal FOV: 117° • 4 mm: Horizontal : 75.2°, Vertical: 40.8°, Diagonal: 88.3°
Lens Mount	M12
DORI Distance	• 2.8 mm Detect: 153 ft (47 m) Observe: 64 ft (19 m) Recognize: 31 ft (9 m) Identify: 15 ft (5 m) • 4 mm Detect: 194 ft (59 m) Observe: 81 ft (25 m) Recognize: 39 ft (12 m) Identify: 19 ft (6 m)
Angle Adjustment (manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 85°, Rotate: 0° to 360°
Illuminator	
Integrated Infrared-White LED	• Quantity: 2 • IR Range: 98 ft (30 m) • White LED Range: 98 ft (30 m) • IR Wavelength: 850 nm
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Video	
Max. Resolution	1920x1080

Main Stream	• Frame Rate: 50Hz:1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz:1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 1920x1080, 1280x960, 1280x720 Note: If the image rotation is set to 90°, 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°, 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 4 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
Day/Night Switch	Unified, Scheduled, Auto
Image Enhancement	BLC/3D DNR/HLC/SmartIR
Wide Dynamic Range (WDR)	DWDR
SNR	≥ 52 dB
Image Parameters Switch	Yes
Privacy Mask	Up to 4 Masks
ROI	1 Region
OSD Setting	Yes

Audio	
Audio Communication	N/A
Audio Input	Yes
Audio Output	N/A
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, ARP, SMTP, SNMP, 802.1x
API	Open Network Video Interface (Profile S/T)
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, Web UI, VIGI VMS, VIGI Cloud VMS, VIGI Config Tool
Cloud	Yes
ONVIF	Yes
Interface	
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
On-board Storage	N/A
Built-in Speaker	N/A
Built-in Microphone	Yes; Records Anything Going on within a 15-ft Radius of the Camera
Audio	N/A
Alarm	N/A
Reset Button	N/A
Power	DC Power Port
Alarm and Event Management	
Smart Event	• Intrusion Detection • Line-Crossing Detection • Region Entering Detection • Region Exiting Detection • People Detection • Vehicle Detection
Basic Event	• Motion detection(Enhanced with Human & Vehicle Classification for more accurate alerts) • Camera Tampering • Exception (Illegal Login)

Alarm Linkage	• Upload to FTP server • Push Notifications • Send to Alarm Server • Email Alarm
General	
Operating Temperature	-30 °C to 60 °C
Storage Temperature	-40 °C to 60 °C
Operating Humidity	95% or Less (Non-condensing)
Storage Humidity	95% or Less (Non-condensing)
Power Supply	• 12V DC $\pm$ 5%, Max. 7.4 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 8 W
Material	Metal
Protection	IP67 Waterproof, IK08 Vandal Proof
Product Dimensions (L x W x H)	$\varnothing 4.4 \times 3.4$ in ($\varnothing 112.2 \times 87.2$ mm)
Package Contents	VIGI Network Camera Quick Start Guide Waterproof Cable Attachments Mounting Accessories
Net Weight	0.43 Kg
Certifications	CE, NTRA, KC, FCC, VCCI, BSMI, ONVIF, IP67, IK08
Dimensions	
 The technical drawing consists of two views of the camera. The left view is a front elevation showing a hemispherical lens with a central optical element. It has two vertical dimension lines: one on the left indicating a height of 2.82 [71.6] and one on the right indicating a height of 3.43 [87.2]. The right view is a top-down circular perspective of the camera's base. It shows a central circular port surrounded by a ring with four mounting tabs. Dimension lines indicate a diameter of 4.42 [112.2] for the outer ring, a diameter of 3.15 [80] for the inner mounting area, and a distance of 0.18 [4.5] between the four mounting tabs. A note '4-Ø 0.18 [4.5]' points to these tabs. A unit label 'Unit: Inch [mm]' is located at the bottom left of the drawing area.	

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