TP-Link VIGI InSight S455

VIGI 5MP Full-Color Turret Network Camera · Specification summary



Image Sensor	1/2.7” Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Camera (supported)	Slow Shutter
Minimum Illumination	0.005 Lux; 0 Lux with IR/White light
Day/Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
Type	Fixed Focal Lens
Focal Length	2.8/4 mm
Aperture	F1.6
FOV	2.8 mm: Horizontal FOV: 111.4°, Vertical FOV: 58.8°, Diagonal FOV: 134°; 4 mm: Horizontal FOV: 88°, Vertical FOV: 46°, Diagonal FOV: 105.4°
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)
Range	Pan: 0° to 360°, Tilt: 0° to 85°, Rotation: 0° to 360°
IR LED	Quantity: 4; Range: 30m; Wavelength: 850nm
White LED	Quantity: 4; Range: 30m
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Max. Resolution	2880 × 1620
Main Stream	Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps; 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps; Resolution: 2880 × 1620,2688 × 1520, 2304 × 1296, 2048 × 1280, 1920 × 1080,; 1280 × 720; 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: 704 × 576,640 × 480, 352 × 288, 320 × 240; 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 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 (supported)	Image Parameters Switch, OSD Setting
Privacy Mask	Up to 4 Masks
ROI	1 Region
Audio Communication	Two-Way Audio
Audio (supported)	Audio Input, Audio Output, Audio Compression, Environment Noise Filtering
Audio Sampling Rate	8KHz
Audio Bit Rate	64 Kbps(G.711 alaw)
Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP
Network (supported)	ONVIF, Cloud
API	ONVIF Profile S/T/G
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
Client	VIGI App, VIGI Security Manager, Web UI, VIGI VMS, VIGI Cloud VMS
Security	Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication
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; Message Push; Audible Warning; White Light Flashing
Output Notification	Message Push
People & Vehicle Analytics	Search and filter to people or vehicle of interest based on many different attributes, making post-event search faster and easier.
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
Interfaces (supported)	Reset Button, Built-in Speaker
Power	DC Power Port
On-board Storage	Built-In Memory Card Slot, Support MicroSD Card, up to 512 GB**
Built-in Microphone	Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera

Operating Temperature	-30–60 °C
Storage Temperature	-40–60 °C
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Content	VIGI Network Camera; Quick Start Guide; Waterproof Cable Attachments; Mounting Accessories
Material	Metal
Net Weight	0.48 Kg
Power Supply	12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug; PoE: 802.3af/at, class 0, Max. 12 W
Protection	IP67
Product Dimensions (L x W x H)	4.4 × 4.4 × 3.3 in (111 × 111 × 83.7 mm)
Certifications	CE, NTRA, VCCI, KC, BSMI, FCC, IC

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

IS Distributions Sdn. Bhd., Kuching, Sarawak · https://www.isdsb.com.my/product-tp-link-camera-vigi-insight-s455.html