



## TP-Link VIGI InSight S445ZI Turret IP security camera Outdoor 2688 x 1520 pixels Ceiling

**Brand :** TP-Link

**Product family:** VIGI

**Product code:** INSIGHT S445ZI

**Product name :** InSight S445ZI

- 5X Optical Zoom for Easy Installation and Monitoring
- 4MP Super-High Definition and IR Range Up to 60m (197ft)
- Human & Vehicle Classification
- Smart Detection
- Smart Video Enhancement Technology
- Audio and Alarm Interface Available
- IP67 Weatherproof and IK10 Vandal Proof
- H.265+ Compression Technology

InSight S445ZI VIGI 4MP IR Motorized Varifocal Turret Network Camera

TP-Link VIGI InSight S445ZI. Type: IP security camera, Placement supported: Outdoor, Connectivity technology: Wired. Mounting type: Ceiling, Product colour: White, Form factor: Turret. Angle of rotation: 360°, Lens viewing angle, horizontal: 29.6-102, Lens viewing angle, vertical: 16.8-53.8. Sensor type: CMOS, Optical sensor size: 25.4 / 2.9 mm (1 / 2.9"). Optical zoom: 5x, Focal length range: 2.7 - 13.5 mm, Focus: Motorized



Performance		Video	
Type *	IP security camera	Region of Interest (ROI) encoding	✓
Placement supported *	Outdoor	Smart IR	✓
Connectivity technology *	Wired	Audio	
Wide Dynamic Range (WDR)	✓	Audio system	2-way
Day/night mode	✓	Audio input channels	1.0 channels
Infrared (IR) cut-off filter	✓	Audio output channels	1.0 channels
Remote viewing	✓	Audio formats supported	G.711 A-law
Dynamic range	120 dB	Sample rate	8 kHz
Design		Signal-to-Noise Ratio (SNR)	52 dB
Form factor *	Turret	Built-in microphone	✓
Mounting type *	Ceiling	Number of microphones	1
Product colour *	White	Bit rate range	0 - 64 Kbit/s
Housing material	Metal	Network	
Protection features	Waterproof	Ethernet LAN *	✓
International Protection (IP) code	IP67	Networking standards	IEEE 802.3af, IEEE 802.3at
Weatherproof	✓	Supported network protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP
Camera		Wi-Fi *	✗
Minimum illumination	0 lx	Bluetooth *	✗
Angle of rotation	360°	Live view	✓
Lens viewing angle, horizontal	29.6-102	Number of simultaneous live view channels	6 channels
Lens viewing angle, vertical	16.8-53.8	Storage	
Lens viewing angle, diagonal	34.1-122.8	Card reader integrated	✓
Tilt angle range	0 - 77°	Compatible memory cards	MicroSD (TransFlash)
Pan range	0 - 360°		
Camera shutter speed	1/3 to 1/10000		
Number of Privacy masking areas	4		

Image sensor		Storage	
Optical sensor size	25.4 / 2.9 mm (1 / 2.9")	Maximum memory card size	512 GB
Progressive scan	✓	Ports & interfaces	
Sensor type *	CMOS	Ethernet LAN (RJ-45) ports	1
Lens system		DC-in jack	✓
Zoom capability	✓	Security	
Optical zoom	5x	Alarm input channels	1
Number of lenses *	1	Alarm output channels	1
Focal length range	2.7 - 13.5 mm	Built-in siren	✓
Auto focus	✓	Password protection	✓
Focus	Motorized	Video motion detection	✓
Maximum aperture number	1.6	IP address filtering	✓
Detect distance (wide)	66 m	HTTPS encryption	✓
Detect distance (tele)	207 m	Alert notification type	Push notification
Observe distance (wide)	28 m	Privacy protection	✓
Observe distance (tele)	86 m	Motion sensor	✓
Recognize distance (wide)	13 m	Mirror	✓
Recognize distance (tele)	41 m	Human and vehicle targets classification	✓
Identify distance (wide)	7 m	Digest authentication	✓
Identify distance (tele)	21 m	Management features	
Night vision		Web browser	✓
Night vision *	✓	Cloud-managed *	✓
Night vision distance	60 m	Reset button	✓
LED type	IR	Power	
Number of illumination LEDs	4	Power source type *	DC, PoE
Infra-red wavelength	850 nm	Power consumption (max)	10.8 W
Video		Power consumption (Power over Ethernet (PoE))	12 W
Maximum resolution *	2688 x 1520 pixels	DC output voltage	12
Total megapixels *	4 MP	Operational conditions	
Video compression formats	H.264, H.264+, H.265, H.265+ 1920 x 1080 (HD 1080), 2048 x 1280, 2304 x 1296, 2560 x 1440, 2688 x 1520	Operating temperature (T-T)	-30 - 60 °C
Supported graphics resolutions		Storage temperature (T-T)	-40 - 60 °C
Video recording	✓	Operating relative humidity (H-H)	0 - 95%
Video streaming	✓	Storage relative humidity (H-H)	0 - 95%
Noise reduction	✓	Weight & dimensions	
Noise reduction technology	3D noise reduction	Height	92.5 mm
Image quality adjustment	Brightness, Contrast, Mirror, Saturation, Sharpness	Diameter	11.2 cm
Bit rate control	Constant Bit Rate (CBR)/Variable Bit Rate (VBR)	Weight	710 g
Bit rate	Main Stream: 256 Kbps to 6 Mbps, Sub-Stream: 512 Kbps to 1024 Kbps	Packaging data	
Back Light Compensation (BLC)	✓	Package weight	960 g
Highlight Compensation (HLC)	✓	Package type	Box
Digital Wide Dynamic Range (DWDR)	✓	Packaging content	
		Number of cameras *	1
		Mounting kit	✓
		Screws included	✓
		Drilling template included	✓
		Manual	✓