

Full-Color

Turret Network Camera

MODEL: VIGI C455 (2.8mm/4mm)





Human & Vehicle Classification People & Vehicle Analytics

Smart Detection

True WDR

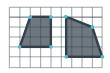
Active Defense

I 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

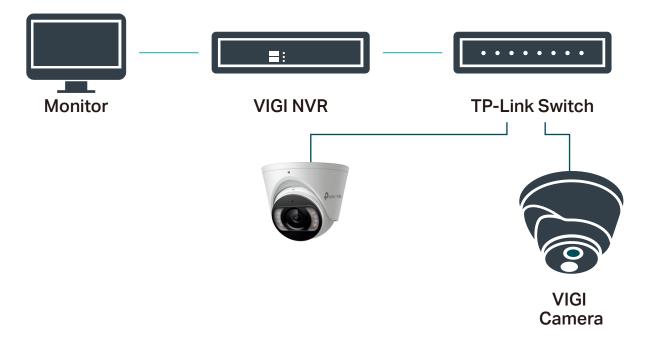


Scene Change Detection

VIGI Surveillance Solution

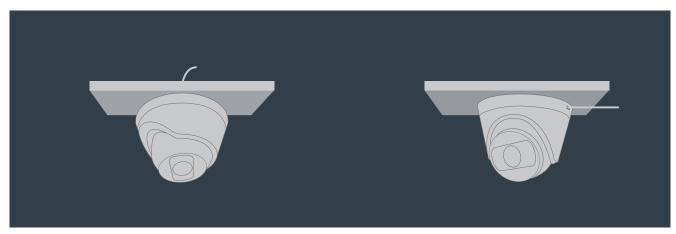
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

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



Flexible Installation

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



Specifications

Camera	
Product Model	VIGI C455(2.8mm/4mm)
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	
Туре	Fixed Focal Lens
Focal Length	4 mm 2. 8mm
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)
Angle Adjustment (manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 85°, Rotation: 0° to 360°
Illuminator	
IR LED	Quantity: 4 Range: 30m Wavelength: 850nm
White LED	Quantity: 4 Range: 30m
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off

Video	
Max. Resolution	2880 X 1620
	• Frame Rate 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
Main Stream	• Resolution: 2880x1620,2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720
	• Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
	• Frame Rate 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
Sub-Stream	• Resolution: 704x576,640x480, 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
Н.264 Туре	High Profile
H.264+	Main Stream Supported
Н.265 Туре	Main Profile*
H.265+	Main Stream Supported*
Video Bit Rate	Main Stream: 256 Kbps to 6 MbpsSub-Stream: 64 Kbps to 512 Kbps
Image	
	Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure,
Image Settings	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)	120dB 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	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
API	Open Network Video Interface (Profile S)
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
Cloud	Yes
ONVIF	Yes
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 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	
General Operating Temperature	-30–60 °C
	-30–60 °C -40–60 °C
Operating Temperature	
Operating Temperature Storage Temperature	-40-60 °C
Operating Temperature Storage Temperature Operating Humidity	-40–60 °C 95% or Less (Non-condensing)
Operating Temperature Storage Temperature Operating Humidity Storage Humidity	-40-60 °C 95% or Less (Non-condensing) 95% or Less (Non-condensing) • 12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug
Operating Temperature Storage Temperature Operating Humidity Storage Humidity Power Supply	-40-60 °C 95% or Less (Non-condensing) 95% or Less (Non-condensing) • 12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 12 W
Operating Temperature Storage Temperature Operating Humidity Storage Humidity Power Supply Material	-40-60 °C 95% or Less (Non-condensing) 95% or Less (Non-condensing) •12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug •PoE: 802.3af/at, class 0, Max. 12 W Metal
Operating Temperature Storage Temperature Operating Humidity Storage Humidity Power Supply Material Protection	-40-60 °C95% or Less (Non-condensing)95% or Less (Non-condensing)•12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 12 WMetalIP67
Operating TemperatureStorage TemperatureOperating HumidityStorage HumidityPower SupplyMaterialProtectionProduct Dimensions (L x W x H)	 -40-60 °C 95% or Less (Non-condensing) 95% or Less (Non-condensing) • 12V DC ± 5%, Max. 11 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 12 W Metal IP67 111*111*83.7mm VIGI Network Camera Quick Start Guide Waterproof Cable Attachments



[§]This function must be used with VIGI specified software.

^aWhen 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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