

Outdoor Full-Color

Bullet Network Camera

MODEL: VIGI C345 (2.8mm/4mm/6mm)





Human & Vehicle Classification Smart Detection

Active Defense

True WDR

People & Vehicle Analytics

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

Find the perfect vantage point by simply securing your camera to the ceiling, wall, or pole*.



Specifications

Camera	
Product Model	VIGI C345(2.8mm/4mm/6mm)
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	2. 8mm/4 mm/6 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° 6 mm: Horizontal FOV: 52.7°, Vertical FOV: 29°, Diagonal FOV: 60.8°
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) 6 mm Detect: 120 m (394 ft) Observe: 50 m (164 ft) Recognize: 24 m (79 ft) Identify: 12 m (39 ft)
Angle Adjustment (manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°
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	2688x1520
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
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 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 (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	
Operating Temperature	-30–60 °C
Storage Temperature	-40–60 °C
Operating Humidity	
Operating Humidity	95% or Less (Non-condensing)
Storage Humidity	95% or Less (Non-condensing) 95% or Less (Non-condensing)
Storage Humidity	95% or Less (Non-condensing) • 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug
Storage Humidity Power Supply	95% or Less (Non-condensing) • 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 10.7 W
Storage Humidity Power Supply Material	95% or Less (Non-condensing) • 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 10.7 W Metal
Storage Humidity Power Supply Material Protection	95% or Less (Non-condensing) • 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 10.7 W Metal IP67
Storage Humidity Power Supply Material Protection Product Dimensions (L x W x H)	95% or Less (Non-condensing)• 12V DC ± 5%, Max. 9.7 W, 5.5 mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 10.7 WMetalIP6774 × 184 × 74 mmVIGI Network Camera Quick Start Guide Waterproof Cable Attachments



 $\ensuremath{^\$}\xspace$ 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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