tp-link | VIGI

Datasheet
Security Never Shuts Down

Outdoor Full-Color

Bullet Network Camera

MODEL: VIGI C330(2.8/4/6mm)

3MP | H.265+

VIGI C330(2.8/4/6mm)

Human & Vehicle Classification

Smart Detection

IP67

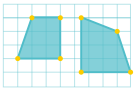
Built-In Microphone

Remote Monitoring

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

Object Abandoned Detection

Region Entering Detection

Region Exiting Detection

Motion Detection

Camera Tampering

SmartVid

Smart IR

Keeps objects from being under-rendered when far away or overexposed when close to camera at night.

Wide Dynamic Range

Adjusts for lighting contrast to minimize shadowing effects and renders images true to life.

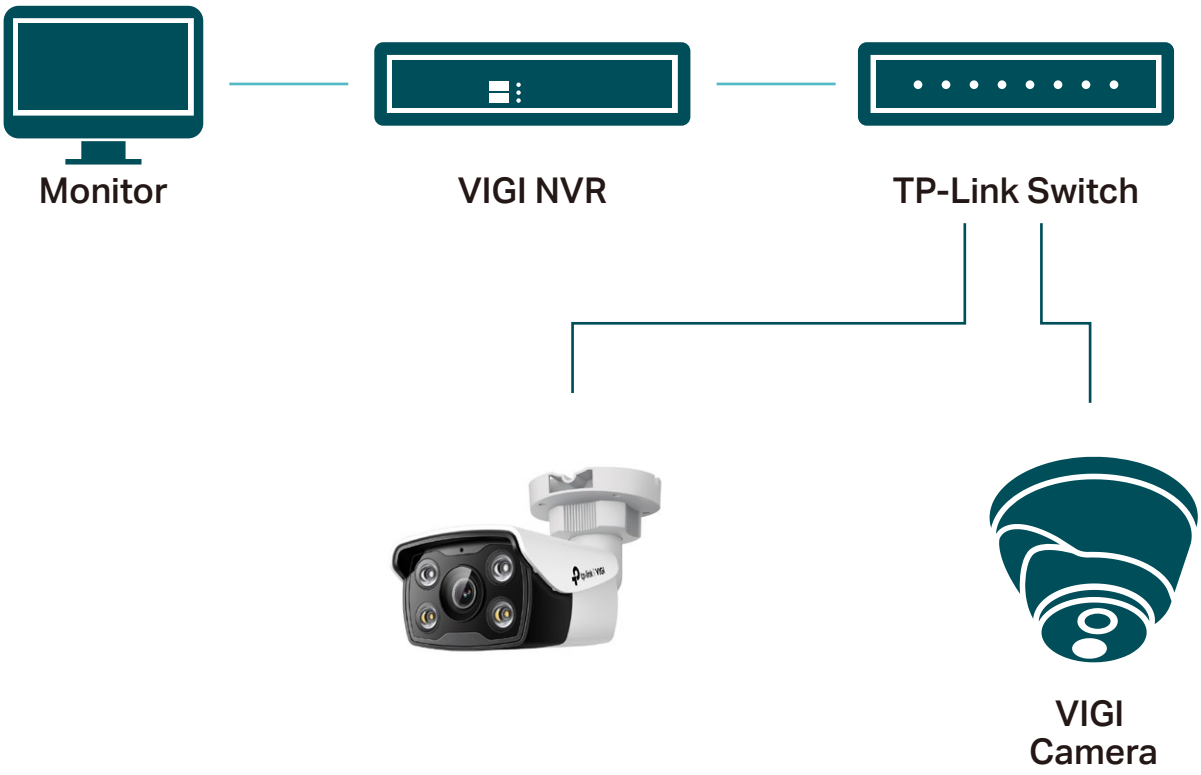
3D DNR

Removes abnormal pixelation to provide clearer video and eliminate distortion.

VIGI Surveillance Solution

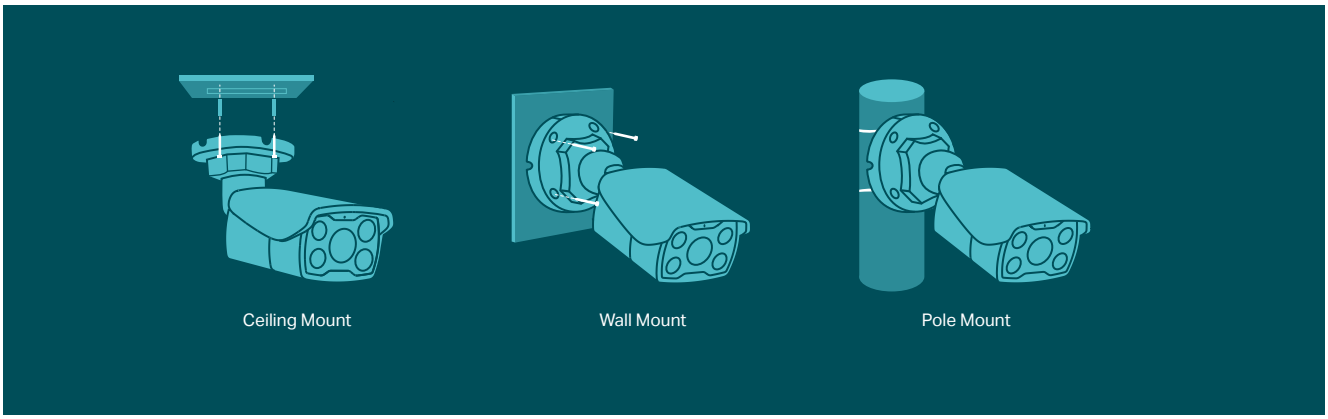
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

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	
Image Sensor	1/2.8" Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Min. Illumination	0.005 Lux; 0 Lux with IR/White Light
Day & Night	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
Lens	
Type	Fixed Focal Lens
Focal length	2.8/4/6 mm
Aperture	F1.6
FOV	• 2.8 mm: Horizontal FOV: 107.5°, Vertical FOV: 57.2°, Diagonal FOV: 128.7° • 4 mm: Horizontal FOV: 84.4°, Vertical FOV: 44.3°, Diagonal FOV: 100.6° • 6 mm: Horizontal FOV: 55.1°, Vertical FOV:30.2°, Diagonal FOV: 64°
Lens Mount	M12

DORI Distance	• 2.8 mm: Detect: 52 m (170 ft) Observe: 22 m (71 ft) Recognize: 10 m (34 ft) Identify: 5 m (17 ft) • 4 mm: Detect: 70 m (230 ft) Observe: 29 m (96 ft) Recognize: 14 m (46 ft) Identify: 7 m (23 ft) • 6 mm: Detect: 100 m (327 ft) Observe: 41 m (136 ft) Recognize: 20 m (65 ft) Identify: 10 m (33 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	2304 × 1296
Main Stream	• Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps • Resolution:2304x1296, 2048x1280, 1920x1080, 1280x720 Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.

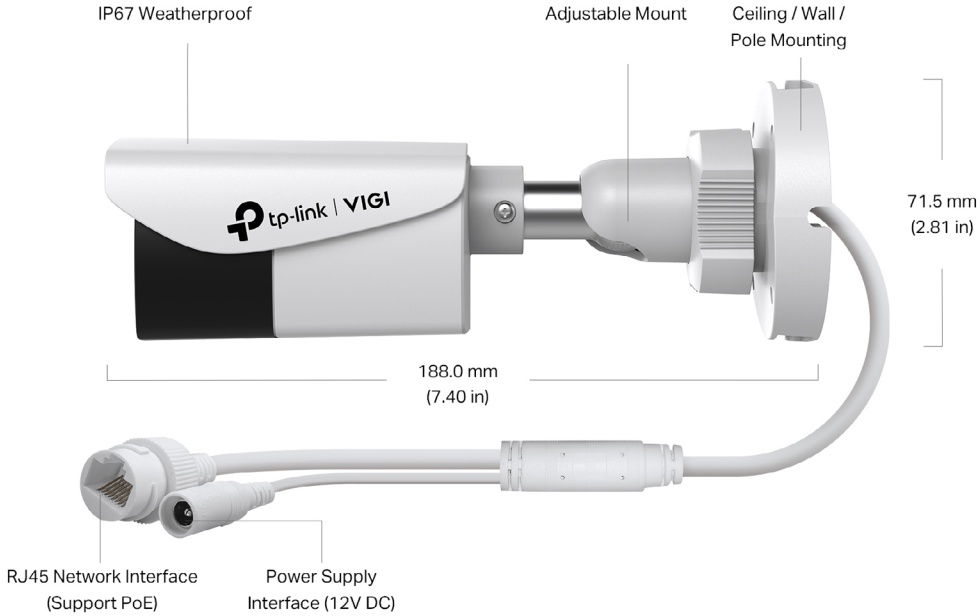
Sub-Stream	• Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps • Resolution:704x576, 640x480, 352x288, 320x240 Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
Bit Rate Control	CBR, VBR
Video Compression	• Main Stream: H.265+/H.265/H.264+/H.264 • Sub-Stream: H.265/H.264
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 • Rotation(90°/270°)
Image Enhancement	BLC/3D DNR/HLC/SmartIR
Wide Dynamic Range	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 • SSL/TLS • FTP/SFTP • RTP • IPv4 • IPv6 • ARP
ONVIF	Yes
API	Open Network Video Interface (Profile S)
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
Client	VIGI App, VIGI Security Manager, Web UI
Web Browser	• Google Chrome® 57 and above • Firefox® 52 and above • Safari® 11 and above • Microsoft® Edge 91 and above
Cloud	Yes
Security	Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication

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 • Abnormal Sound Detection • People Detection • Vehicle Detection
Basic Event	• Motion Detection • Video Tampering Detection • Exception (Illegal Login)
Alarm Linkage	• White Light Flashing • Message Push
Linkage Method	N/A
Output Notification	Message Push
Interface	
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
Alarm	N/A
Reset Button	N/A
Power	DC Power Port
On-board Storage	N/A
Built-in Microphone	Yes; Records Anything Going on within a 15-ft Radius of the Camera
Built-in Speaker	N/A
Audio	N/A
General	
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 Contents	• VIGI Network Camera • Quick Start Guide • Waterproof Cable Attachments • Mounting Accessories
Power Supply	• 12V DC ± 5%, Max. 5.5 W, 5.5mm Coaxial Power Plug • PoE: 802.3af/at, class 0, Max. 6 W
Audio Communication	Built-In Microphone
Material	Plastic
Net Weight	0.32 Kg
Gross Weight	0.48 Kg
Protection	IP67 Waterproof
Product Dimensions	78.5 × 188.0 × 71.5 mm (3.09 × 7.40 × 2.81 in)
Certifications	CE, NTRA, VCCI, BSMI

Build Features



*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.
Specifications are subject to change without notice and can be found at www.tp-link.com.
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Security Standards Compliance

All VIGI products are fully compliant with the following security and safety standards:

EN 55032:2015 + A11:2020

EN 55035:2017 + A11:2020

EN IEC 61000-3-2:2019 + A1:2021

EN 61000-3-3:2013 + A2:2021

EN IEC 61000-6-3:2021 + AC:2022-01

EN IEC 61000-6-1:2019

EN 50130-4:2011 + A1:2014

EN 62368-1:2014 + A11:2017

EN IEC 63000:2018

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