

CAM-C450-2.8MM

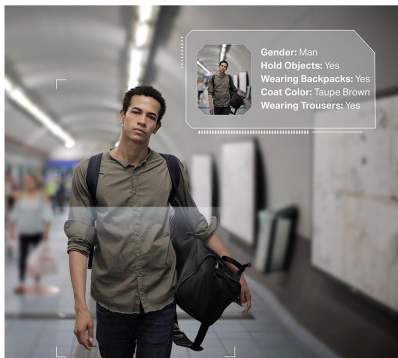
TP-Link Vigi C450 4MP Full-colour Turret PoE Network with 2.8mm lens

Product Overview

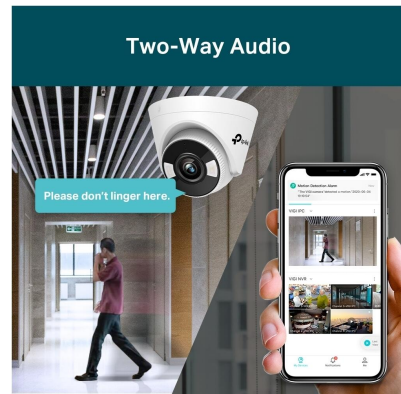
TP-Link Vigi C450 4MP Full-colour Turret PoE Network with 2.8mm Lens, ONVIF, 3 Main streams & 3 Sub-Streams simultaneous live View, 1x RJ45 10/100 Mbit Self-Adaptive Ethernet Port PoE Network Interface, Support MicroSD card up to 256 GB, Built-In Microphone, Built-In Speaker, Human & vehicle classification, Motion Detection, 2 IR LED up to 30m, 2 White LED up to 30m, 2880x1620 maximum Resolution, H.265+ / H.265 / H.264+ / H.264 Video Compression, BLC / 3D DNR / HLC / SmartIR, 120 dB wide Dynamic range, 1 region ROI

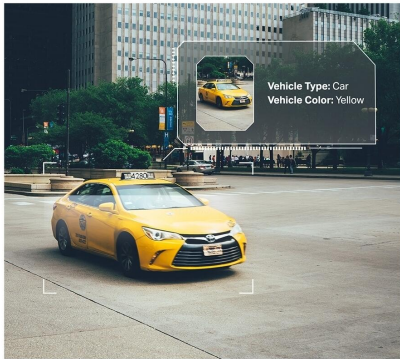


People Analytics



Two-Way Audio



Vehicle Analytics

Specifications

Summary Overview:

The TP-Link VIGI C450 is a professional full-colour PoE turret security camera designed for reliable day and night monitoring. With high-resolution video, smart detection, and built-in audio, it delivers clear visuals and responsive alerts for homes and businesses that need dependable surveillance.

Easy PoE installation, ONVIF compatibility, and flexible storage options make this camera a practical choice for modern security systems. Whether you are upgrading or installing new surveillance, the VIGI C450 offers a balanced mix of performance and convenience. Buy now and secure your property with confidence.

Performance tier:Professional

Uses:business surveillance, office security, retail monitoring, warehouse protection, outdoor perimeter security

Overview:

Built for reliable business and property surveillance, the TP-Link VIGI C450 turret network camera delivers high-clarity full-colour video, intelligent detection, and smart security automation in one compact PoE camera. Designed for continuous monitoring in both daylight and complete darkness, it combines AI-powered analytics with professional-grade image processing to provide accurate alerts, clear evidence, and simple remote management. With flexible storage, two-way audio, and advanced compression, it is ideal for shops, offices, warehouses, car parks, and commercial sites where dependable security matters most. Powered by the professional surveillance ecosystem from TP-Link, it offers scalable protection and long-term reliability.

Description

The VIGI C450 is a high-resolution full-colour turret camera designed for professional security environments. It delivers clear 24-hour colour monitoring, intelligent human and vehicle detection, two-way audio communication, active deterrence with sound and light, and efficient storage through smart video compression. With PoE connectivity, onboard microSD support, and remote management, it provides a powerful all-in-one surveillance solution for modern security needs.

Features:**Full-colour monitoring day and night**

Capture clear, detailed colour footage around the clock, even in complete darkness. The large-aperture lens, high-sensitivity sensor, and built-in supplemental lighting ensure reliable visibility for entrances, car parks, and perimeter areas.

High-resolution imaging

Record sharp video with detailed clarity for identification, evidence capture, and situational awareness across wide areas.

Smart detection and AI accuracy

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Advanced AI technology accurately identifies people and vehicles, reducing false alerts from animals, shadows, and moving objects. This improves security response and monitoring efficiency.

Intelligent activity recognition

Custom detection rules allow precise monitoring of key zones and access points.

- Intrusion detection
- Line crossing alerts
- Region entry detection
- Region exit detection
- Abandoned object alerts
- Object removal detection
- Scene change detection

People and vehicle search tools

Quickly locate specific individuals and vehicles using intelligent filtering for faster investigations and event tracking.

- People search by visual attributes
- Vehicle search by colour and type

Active deterrence protection

Built-in white LEDs and speaker provide sound and light alerts to immediately warn intruders and prevent incidents before escalation.

Two-way communication

The integrated microphone and speaker allow real-time voice interaction, making it easy to communicate with staff, visitors, or intruders directly through the camera.

Optimised viewing for narrow spaces

Corridor mode rotates the image to provide better coverage in hallways, stairwells, and narrow passageways.

Efficient video storage and streaming

Advanced compression technology reduces bandwidth usage and storage requirements while maintaining high image quality.

Local and onboard storage support

Flexible recording options support multiple management systems and onboard microSD storage up to 256 GB for backup and redundancy.

Simple PoE installation

A single RJ45 cable handles both power and data, making installation clean, fast, and cost-effective for new or existing networks.

Remote access and control

Manage live viewing, playback, alerts, and settings remotely using the VIGI app, web interface, NVR interface, or VIGI Security Manager software.

Built for business security

The VIGI professional surveillance system is designed to protect commercial environments with reliable performance, intelligent monitoring, and scalable management for growing security needs.

Specifications:

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Specifications

Product Code	CAM-C450-2.8MM
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CAMERA	
Image Sensor	1/2.7" Progressive Scan CMOS
Day/Night Switch	Day/Night/Auto/Schedule-Switch
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Minimum Illumination	0.005 Lux , 0 Lux with IR/white light
Day/Night Mechanism	IR Cut Filter
NETWORK	
Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS
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
Network Storage	NAS (NFS, SMB/ CIFS)
GENERAL	
Operating Temperature	-30-60 degreesC
Storage Temperature	-40-60 degreesC
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Contents	VIGI Network Camera
	Quick Start Guide
	Mounting Accessories
Material	Plastic
Net Weight	0.24 Kg
Gross Weight	0.4 Kg
Power Supply	12V DC +/- 5%, Max. 9 W, 5.5mm Coaxial Power Plug
	PoE: 802.3af/at, class 0, Max. 10.5 W
Power Consumption	Maximum: 9 W
	Typical (Day Mode): 1.76 W
	Typical (Night Mode with IR LED): 3.5 W
	Typical (Night Mode with White LED): 3.8 W

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Product Specification Sheet

Protection	N/A
Product Dimensions (L x W x H)	Ø123x84 mm
Certifications	CE, NTRA, VCCI, KC, BSMI, FCC, IC
INTERFACES	
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
Alarm	N/A
Reset Button	Yes
Power	DC Power Port
On-board Storage	Built-In Memory Card Slot, Support MicroSD Card, up to 256 GB
Built-in Microphone	Yes , Records Anything Going on within a 15-ft Radius of the Camera
Built-in Speaker	Yes
Audio	N/A
ALARM AND EVENT MANAGEMENT	
Smart Event	Human & Vehicle Classification, Area Intrusion Detection, Line-Crossing Detection, People Detection, Vehicle Detection, Region Entering Detection, Region Exiting Detection, Object Abandoned Detection, Object Removal Detection, Loitering Detection
Basic Event	Motion Detection, Video Tampering Detection, Exception (Illegal Login), Scene Change Detection
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.
Multi-Target-Type Detection	Supports Simultaneous Detection and Capture of Human Body and Vehicle
Face Capture	N/A
Face Comparison	N/A
LENS	
Type	Fixed Focal Lens
Focal Length	2.8/4 mm
Aperture	2.8 mm: F1.6
	4 mm: F1.6
FOV	2.8mm:
	Horizontal FOV: 109 degrees, Vertical FOV: 57 degrees, Diagonal FOV: 128 degrees
	4mm:
	Horizontal FOV: 90 degrees, Vertical FOV: 48 degrees, Diagonal FOV: 107 degrees
Lens Mount	M12*P 0.5

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DORI Distance	2.8 mm
	Detect: 64 m (209 ft)
	Observe: 27 m (87 ft)
	Recognize: 13 m (42 ft)
	Identify: 6 m (21 ft)
	4 mm
	Detect: 80 m (262 ft)
	Observe: 33 m (109 ft)
	Recognize: 16 m (52 ft)
	Identify: 8 m (26 ft)
Angle Adjustment (Manual)	
Range	Pan: 0 degrees to 360 degrees, Tilt: 0 degrees to 85 degrees
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)
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	2880 X 1620
Main Stream	Frame Rate :
	50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps
	60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
	Resolution:
	2880x1620,2688x1520, 2304x1296, 2048x1280, 1920x1080,1280x720
	Note: If the image rotation is set to 90 degrees or 270 degrees, the frame rate only supports up to 20fps.

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Sub-Stream	Frame Rate :
	50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps
	60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
	Resolution:
	704x576, 640x480, 352x288, 320x240
	Note: If the image rotation is set to 90 degrees or 270 degrees, 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	Main Profile/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	
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
SNR	>= 52 dB
Image Parameters Switch	Yes
Privacy Mask	Up to 4 Masks
ROI	1 Region
OSD Setting	Yes

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/CAM-C450-2-8MM-TP-Link-Vigi-C450-4MP-Full-colour-Turret-Buy-p-333875.php>

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