TP-Link VIGI EasyCam C420

VIGI 2MP Full-Color Turret Network Camera · Specification summary



Image Sensor	1/3” Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Camera (supported)	Slow Shutter
Minimum Illumination	0.01 Lux; 0 Lux with IR/White light
Day/Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
Type	Fixed Focal Lens
Focal Length	2.8/4 mm
Aperture	F2.0
FOV	2.8 mm: Horizontal FOV: 98.8°, Vertical FOV: 53.5°, Diagonal FOV: 117°; 4 mm: Horizontal : 75.2°, Vertical: 40.8°, Diagonal: 88.3°
Lens Mount	M12
DORI Distance	2.8 mm; Detect: 154.2 ft (47 m); Observe: 62.3 ft (19 m); Recognize: 29.5 ft (9 m); Identify: 16.4 ft (5 m); 4 mm; Detect: 193.6 ft (59 m); Observe: 82 ft (25 m); Recognize: 39.4 ft (12 m); Identify: 19.7 ft (6 m)
Range	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Integrated Infrared-White LED	Quantity: 2; IR Range: 98 ft (30 m); White LED Range: 98 ft (30 m); IR Wavelength: 850 nm
Max. Resolution	1920 × 1080
Main Stream	Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps; 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps; Resolution: 1920 × 1080, 1280 × 960, 1280 × 720; Note: If the image rotation is set to 90°, 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: 848 × 480, 704 × 576, 640 × 480, 640 × 360,352 × 288, 320 × 240; Note: If the image rotation is set to 90°, 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 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	DWDR
SNR	≥ 52 dB
Image (supported)	Image Parameters Switch, OSD Setting
Privacy Mask	Up to 4 Masks
ROI	1 Region
Audio Input	Yes (Built-in Microphone)
Audio (supported)	Audio Compression, Environment Noise Filtering
Audio Sampling Rate	8 KHz
Audio Bit Rate	64 Kbps(G.711 alaw)
Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP, SMTP, SNMP
Network (supported)	ONVIF, Cloud
API	Open Network Video Interface (Profile S/T)
Simultaneous Live View	3 Main Streams & 3 Sub-Streams
Client	VIGI App, Web UI, VIGI VMS, VIGI Cloud VMS, VIGI Config Tool, VIGI PC Client
Security	Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication
Smart Event	Intrusion Detection; Line-Crossing Detection; Region Entering Detection; Region Exiting Detection; People Detection; Vehicle Detection
Basic Event	Motion detection(Enhanced with Human & Vehicle Classification for more accurate alerts); Camera Tampering; Exception (Illegal Login)
Alarm Linkage	Upload to FTP server; Push Notifications; Send to Alarm Server; Email Alarm
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
Power	PoE Power Port
Built-in Microphone	Yes; Records Anything Going on within a 16.4 ft (5 m) Radius of the Camera
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Content	VIGI Network Camera; Quick Start Guide; Mounting Accessories

Material	Plastic
Net Weight	0.165 Kg
Power Supply	PoE: 802.3af, class 0, Max. 7.1 W
Product Dimensions (L x W x H)	Ø4.2 × 3.1 in (Ø107.9 × 79.8 mm)
Certifications	CE, KC, VCCI, BSMI, ONVIF

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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