



Datasheet
Security Never Shuts Down

Full-Color Turret Network Camera

MODEL: EasyCam C420



2MP | H.265+

Human & Vehicle
Classification

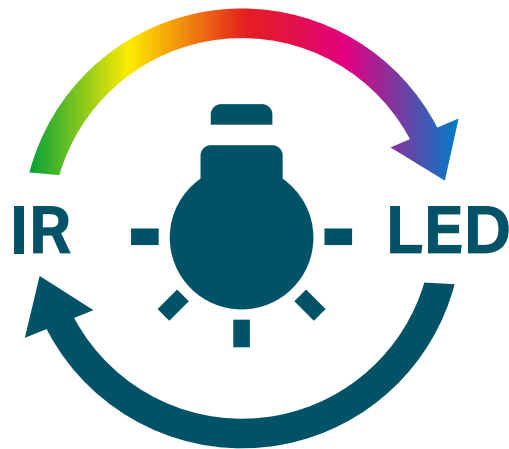
Smart
Detection

LightPro
Night Vision

Built-in
Microphone

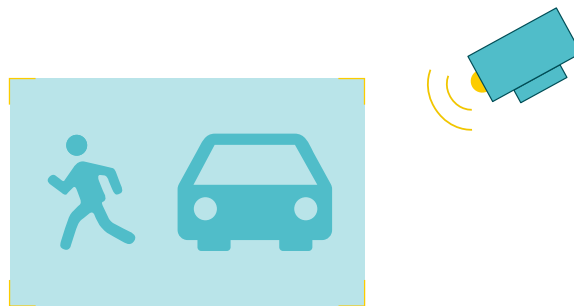
// LightPro Night Vision Technology

Intelligently switches between IR and full-color night vision by detecting people or vehicles, effectively minimizing light pollution and conserving energy.

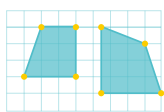


// Human & Vehicle Classification

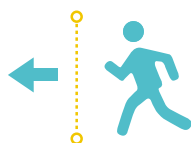
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



// Smart Detection



Intrusion
Detection



Line-Crossing
Detection



Region Entering
Detection

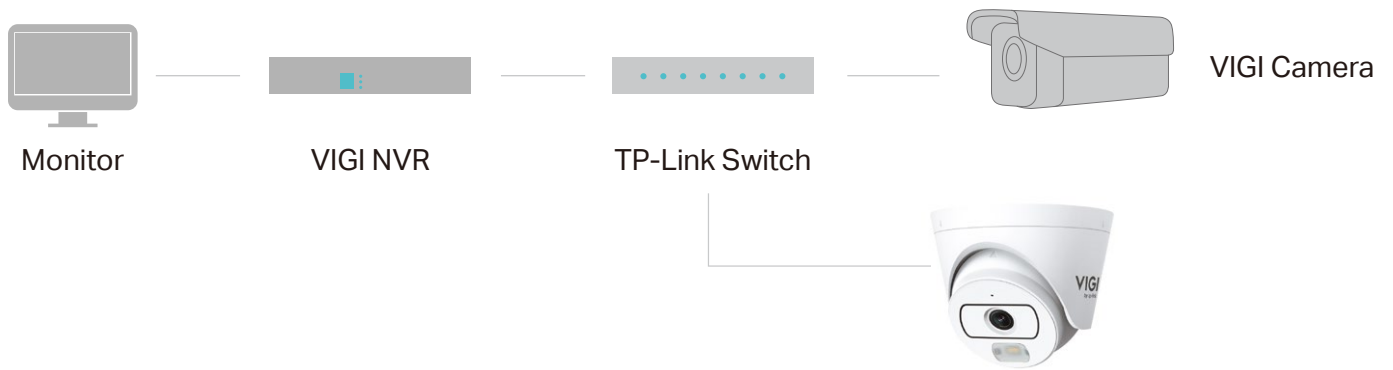


Region Exiting
Detection

// 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.



// Build Features



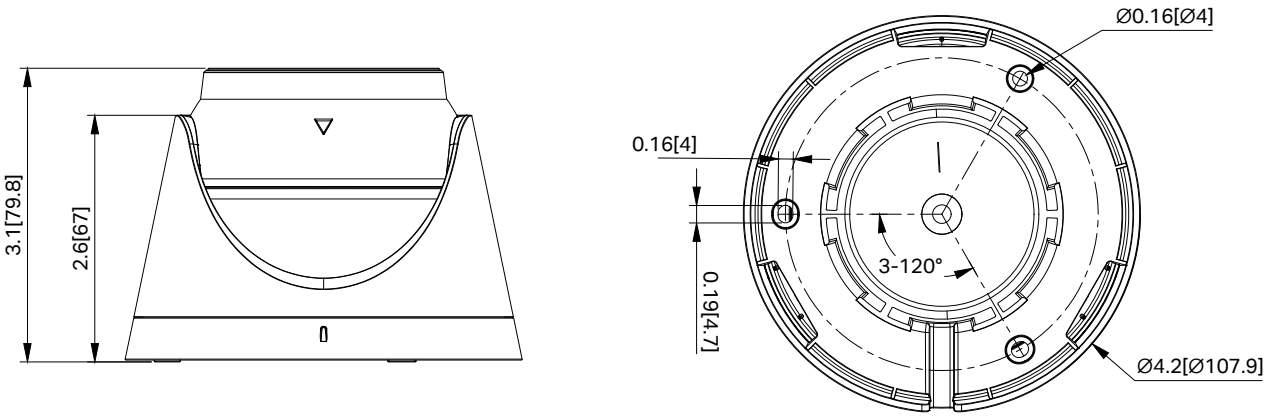
// Specifications

Camera	
Product Model	EasyCam C420
Image Sensor	1/3" Progressive Scan CMOS
Shutter Speed	1/3 to 1/10000 s
Slow Shutter	Yes
Min. Illumination	0.01 Lux; 0 Lux with IR/White light
Day/Night Mechanism	IR Cut Filter
Day/Night Switch	Unified/ Scheduled/ Auto
Lens	
Type	Fixed Focal Lens
Focal Length	2.8/4 mm
Aperture	F2.0
FOV	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 2.8 mm Detect: 153 ft (47 m) Observe: 64 ft (19 m) Recognize: 31 ft (9 m) Identify: 15 ft (5 m)• 4 mm Detect: 194 ft (59 m) Observe: 81 ft (25 m) Recognize: 39 ft (12 m) Identify: 19 ft (6 m)
Angle Adjustment (Manual)	
Range	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°

Illuminator	
IR LED	<ul style="list-style-type: none"> • Quantity: 2 • IR Range: 98 ft (30 m) • White LED Range: 98 ft (30 m) • IR Wavelength: 850 nm
Illuminator On/Off Control	Auto/Scheduled/Always on/Always off
Video	
Max. Resolution	1920x1080
Main Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 1920x1080, 1280x960, 1280x720 <p>Note: If the image rotation is set to 90°, the frame rate only supports up to 20fps.</p>
Sub-Stream	<ul style="list-style-type: none"> • Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps • Resolution: 848x480, 704x576, 640x480, 640x360, 352x288, 320x240 <p>Note: If the image rotation is set to 90°, the frame rate only supports up to 20fps.</p>
Bit Rate Control	CBR, VBR
Video Compression	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Main Stream: 256 Kbps to 4 Mbps • Sub-Stream: 64 Kbps to 512 Kbps
Image	
Image Settings	<ul style="list-style-type: none"> • 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 Parameters Switch	Yes
Privacy Mask	Up to 4 Masks
ROI	1 Region
OSD Setting	Yes
Audio	
Audio Communication	N/A
Audio Input	Yes (Built-in Microphone)
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 UDP, SSL/TLS, IPv4
ONVIF	Yes

API	ONVIF 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
Web Browser	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Intrusion Detection • Line-Crossing Detection • Region Entering Detection • Region Exiting Detection • People Detection • Vehicle Detection
Basic Event	<ul style="list-style-type: none"> • Motion detection(Enhanced with Human & Vehicle Classification for more accurate alerts) • Camera Tampering • Exception (Illegal Login)
Alarm Linkage	<ul style="list-style-type: none"> • Upload to FTP server • Push Notifications • Send to Alarm Server • Email Alarm
Deep Learning Function	
People & Vehicle Analytics	N/A
Interface	
Network Interface	1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE
On-board Storage	N/A
Built-in Speaker	N/A
Built-in Microphone	Yes; Records Anything Going on within a 15 ft (4.6 m) Radius of the Camera

Audio	N/A
Alarm	N/A
Reset Button	N/A
Power	PoE Power Port
General	
Operating Temperature	-30 °C to 60 °C
Storage Temperature	-40 °C to 60 °C
Operating Humidity	95% or Less (Non-Condensing)
Storage Humidity	95% or Less (Non-Condensing)
Package Contents	<ul style="list-style-type: none">• VIGI Network Camera• Quick Start Guide• Mounting Accessories
Power Supply	PoE: 802.3af, class 0, Max. 7.1 W
Protection	N/A
Material	Plastic
Net Weight	0.165 Kg
Product Dimensions	Ø4.2 × 3.1 in (Ø107.9 × 79.8 mm)
Certifications	CE, KC, VCCI, BSMI, ONVIF
Dimensions	
<div><p>The technical drawing consists of two views of the VIGI Network Camera. The left view is a side profile showing the camera's height and mounting bracket. The right view is a top-down circular view showing the camera's diameter and mounting holes.</p><p>Side View Dimensions:</p><ul style="list-style-type: none">Total height: 3.1 [79.8] inchesHeight from mounting bracket to top: 2.6 [67] inches<p>Top View Dimensions:</p><ul style="list-style-type: none">Outer diameter: Ø4.2 [Ø107.9] inchesInner diameter: Ø0.16 [Ø4] inchesMounting hole diameter: 0.16 [4] inchesMounting hole spacing: 0.19 [4.7] inchesMounting hole angle: 3-120°<p>Unit: inch [mm]</p></div>	

Specifications are subject to change without notice and can be found at www.vigi.com.
©2025 TP-Link