

# Outdoor Full-Color

4G Pan Tilt Network Camera

MODEL: VIGI C540-4G (4mm)



**4MP|H.265+**

VIGI C540-4G(4mm)



4G Mobile  
Networking



Human & Vehicle  
Classification



Smart Detection



Powerful Pan Tilt



IP66

## // Human & Vehicle Classification

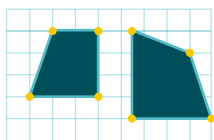
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



## // Smart Detection



**Motion Detection**



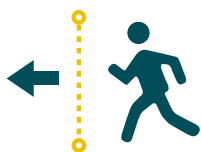
**Region Intrusion**



**Object Removal Detection**



**Region Exiting Detection**



**Line-Crossing**



**Camera Tampering**



**Object Abandoned Detection**



**Region Entering Detection**

## // 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

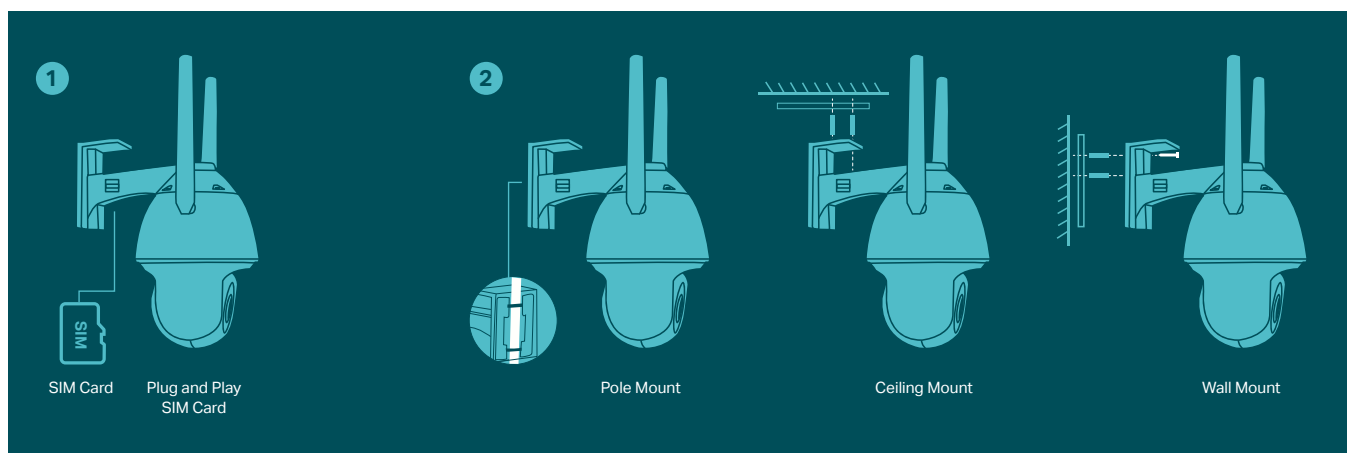
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

Outstanding functions, reliable quality guarantees, and simplified installation work together to ensure your business stays safe and sound.



## // Flexible Installation

1. Just insert a Nano-SIM card\*\*, then your camera is ready to connect to a 4G LTE network.
2. Find the perfect vantage point by simply securing your camera to an over-head, wall, or pole.\*\*



## // Specifications

| Camera                    |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| Product Model             | VIGI C540-4G (4mm)                                                    |
| Image Sensor              | 1/3.06" Progressive Scan CMOS                                         |
| Min. Illumination         | Color:0.005 Lux; 0 Lux with IR/white light                            |
| Shutter Speed             | 1/3 to 1/10000 s                                                      |
| Slow Shutter              | Yes                                                                   |
| Day & Night               | IR Cut Filter                                                         |
| Day/Night Switch          | Unified/ Scheduled/ Auto                                              |
| Lens                      |                                                                       |
| Focal Length              | 4 mm                                                                  |
| Aperture                  | F1.6                                                                  |
| Focus                     | Fixed                                                                 |
| FOV                       | Horizontal FOV: 80°, Vertical FOV: 43°, Diagonal FOV: 94°             |
| Lens Mount                | M12X0.5                                                               |
| Angle Adjustment (Manual) |                                                                       |
| Range                     | Pan: 0° to 348°, Tilt: 0° to 120°                                     |
| PTZ                       |                                                                       |
| Pan/Tilt Range            | Pan: 0° to 348°, Tilt: 0° to 120°                                     |
| Pan Speed                 | Configurable from 8° to 44°/s; Preset Speed: 44°/s                    |
| Tilt Speed                | Configurable from 8° to 44°/s; Preset Speed: 44°/s                    |
| Manual Control Speed      | Configurable from 8° to 35°/s                                         |
| Presets                   | 300                                                                   |
| Patrol Scan               | 8 patrols, up to 8 presets for each patrol                            |
| Power-off Memory          | Yes. Auto restore to previous PTZ and lens status after power failure |
| Park Action               | Yes. Preset; Patrol Scan                                              |
| 3D Positioning            | Yes                                                                   |

| Illuminator                |                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IR LED                     | Quantity: 2<br>Range: 30m;<br>Wavelength: 850nm                                                                                                                                                                                                                                                                                                               |
| White LED                  | Quantity: 2<br>Range: 30m                                                                                                                                                                                                                                                                                                                                     |
| Illuminator On/Off Control | Auto/Scheduled/Always on/Always off                                                                                                                                                                                                                                                                                                                           |
| Video                      |                                                                                                                                                                                                                                                                                                                                                               |
| Max. Resolution            | 2560 X 1440                                                                                                                                                                                                                                                                                                                                                   |
| Main Stream                | <ul style="list-style-type: none"> <li>• Frame Rate:<br/>50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps<br/>60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps</li> <li>• Resolution:<br/>2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720</li> </ul> <p>Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps..</p> |
| Sub-Stream                 | <ul style="list-style-type: none"> <li>• Frame Rate:<br/>50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps<br/>60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps</li> <li>• Resolution:<br/>640x480, 352x288, 320x240</li> </ul> <p>Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.</p>                             |
| Bit Rate Control           | CBR, VBR                                                                                                                                                                                                                                                                                                                                                      |
| Video Compression          | Main Stream: H.265+/H.265/H.264+/H.264<br>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 3 Mbps<br>Sub-Stream: 64 Kbps to 512 Kbps                                                                                                                                                                                                                                                                                            |

| Image                       |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Enhancement           | BLC/3D DNR/HLC/SmartIR                                                                                                                                                                                                                                                                                                           |
| Image Settings              | <ul style="list-style-type: none"> <li>• Mirror</li> <li>• Brightness</li> <li>• Contrast</li> <li>• Saturation</li> <li>• Sharpness</li> <li>• Exposure, WDR,</li> <li>• White Balance</li> <li>• Prevent Overexposure to Infrared Light</li> <li>• HLC Adjustable by Client Software</li> <li>• Rotation (90°/270°)</li> </ul> |
| 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         | 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)                                                                                                                                                                                                                                                                                                              |
| 4G                          |                                                                                                                                                                                                                                                                                                                                  |
| Standard                    | LTE-TDD/LTE-FDD/WCDMA                                                                                                                                                                                                                                                                                                            |
| SIM Type                    | Nano SIM                                                                                                                                                                                                                                                                                                                         |
| Category                    | 4                                                                                                                                                                                                                                                                                                                                |
| Frequency                   | LTE-FDD: B 1/3/5/7/8/20/28<br>LTE-TDD: B 38/40/41<br>WCDMA: B 1/5/8                                                                                                                                                                                                                                                              |

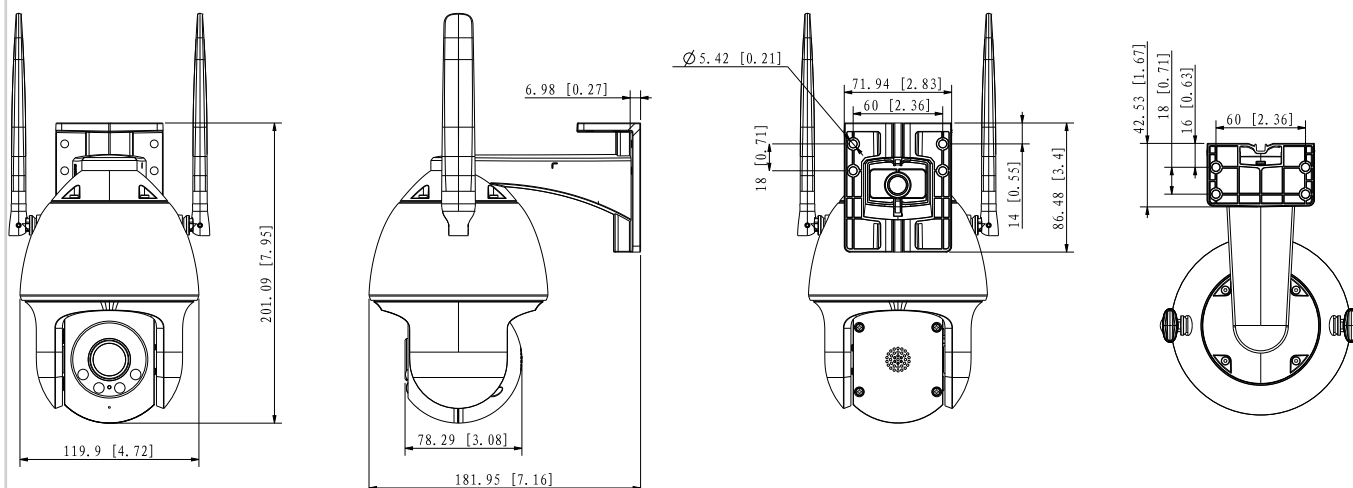
| Network                     |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, ARP      |
| API                         | Open Network Video Interface (Profile S)                                                               |
| Web Browser                 | Google Chrome® 57 and above Firefox® 52 and above<br>Safari® 11 and above Microsoft® Edge 91 and above |
| Security                    | Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication                        |
| Simultaneous Live View      | 2 Main Streams & 2 Sub-Streams                                                                         |
| Client                      | VIGI App, VIGI Security Manager, VIGI NVR (for local management only), Web                             |
| Cloud                       | Yes                                                                                                    |
| ONVIF                       | Yes                                                                                                    |
| Interface                   |                                                                                                        |
| Network Interface           | 1 RJ45 10/100M Self-Adaptive Ethernet Port                                                             |
| On-board Storage            | Built-In Memory Card Slot, Support MicroSD Card, Up to 512 GB                                          |
| Built-in Nano-SIM Card Slot | Yes                                                                                                    |
| 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                                                                                                    |

## Alarm and Event Management

|                       |                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Event           | <ul style="list-style-type: none"><li>• Human &amp; Vehicle Classification</li><li>• Intrusion Detection</li><li>• Line-Crossing Detection</li><li>• Region Entering Detection</li><li>• Region Exiting Detection</li><li>• Object Abandoned Detection</li><li>• Object Removal Detection</li><li>• Abnormal Sound Detection</li><li>• People Detection</li><li>• Vehicle Detection</li></ul> |
| Basic Event           | <ul style="list-style-type: none"><li>• Motion Detection</li><li>• Video Tampering Detection</li><li>• Exception (Illegal Login)</li></ul>                                                                                                                                                                                                                                                    |
| Alarm Linkage         | <ul style="list-style-type: none"><li>• Memory Card Video Recording</li><li>• Message Push</li><li>• Audible Warning</li><li>• White Light Flashing</li></ul>                                                                                                                                                                                                                                 |
| Linkage Method        | N/A                                                                                                                                                                                                                                                                                                                                                                                           |
| Output Notification   | Message Push                                                                                                                                                                                                                                                                                                                                                                                  |
| 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)                                                                                                                                                                                                                                                                                                                                                                  |
| Power Supply          | 12V DC/1A, 5.5mm Coaxial Power Plug                                                                                                                                                                                                                                                                                                                                                           |
| Material              | Plastic                                                                                                                                                                                                                                                                                                                                                                                       |
| Protection            | IP66                                                                                                                                                                                                                                                                                                                                                                                          |

|                                |                                                                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna                        | <ul style="list-style-type: none"> <li>Quantity: 2</li> <li>Type:<br/>690~960&amp;1710~2690MHz Dipole Omni-Directional Antenna</li> <li>Gain:<br/>Ant1: 0.84dBi@690~960MHz,<br/>2.85dBi@1710~2690MHz<br/>Ant2: 0.74dBi@690~960MHz,<br/>3.06dBi@1710~2690MHz</li> </ul> |
| Product Dimensions (L x W x H) | 120 × 182 × 201 mm (excluding antennas)                                                                                                                                                                                                                                |
| Package Contents               | <ul style="list-style-type: none"> <li>VIGI Network Camera</li> <li>Quick Start Guide</li> <li>Waterproof Cable Attachments</li> <li>Mounting Accessories</li> <li>Power Adapter</li> </ul>                                                                            |
| Net Weight                     | 0.69KG                                                                                                                                                                                                                                                                 |
| Gross Weight                   | 1.16KG                                                                                                                                                                                                                                                                 |
| Certifications                 | CE, RCM, BSMI, RoHS, NCC                                                                                                                                                                                                                                               |

## Dimensions



Unit: mm

## 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

(EU) 2023/826

\*\*SIM card and mounting pole are not provided in the package.

Calculations based on laboratory testing using VIGI cameras. 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](http://www.tp-link.com).

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