

# Outdoor Full-Color

Wi-Fi Pan Tilt Network Camera

MODEL: VIGI C540-W(4mm)



**4MP|H.265+**

VIGI C540-W(4mm)



Human & Vehicle  
Classification



Smart Detection



Powerful Pan Tilt



IP66



Onboard Storage\*



Wired or Wireless  
Networking

## // Human & Vehicle Classification

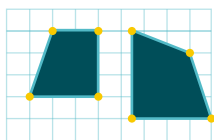
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



## // Smart Detection



**Motion Detection**



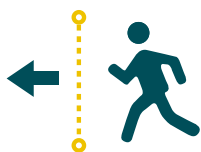
**Region Intrusion**



**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.



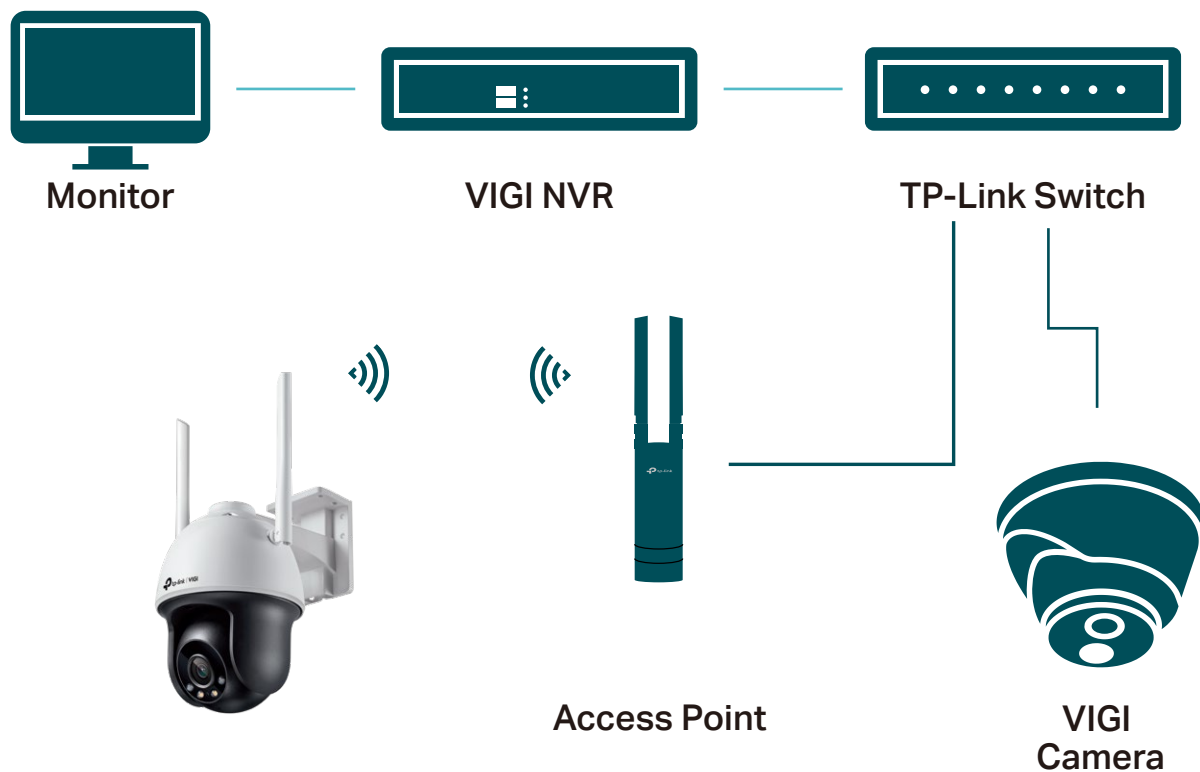
### **3D DNR**

Removes abnormal pixelation to provide clearer video and eliminate distortion.

## // VIGI Surveillance Solution

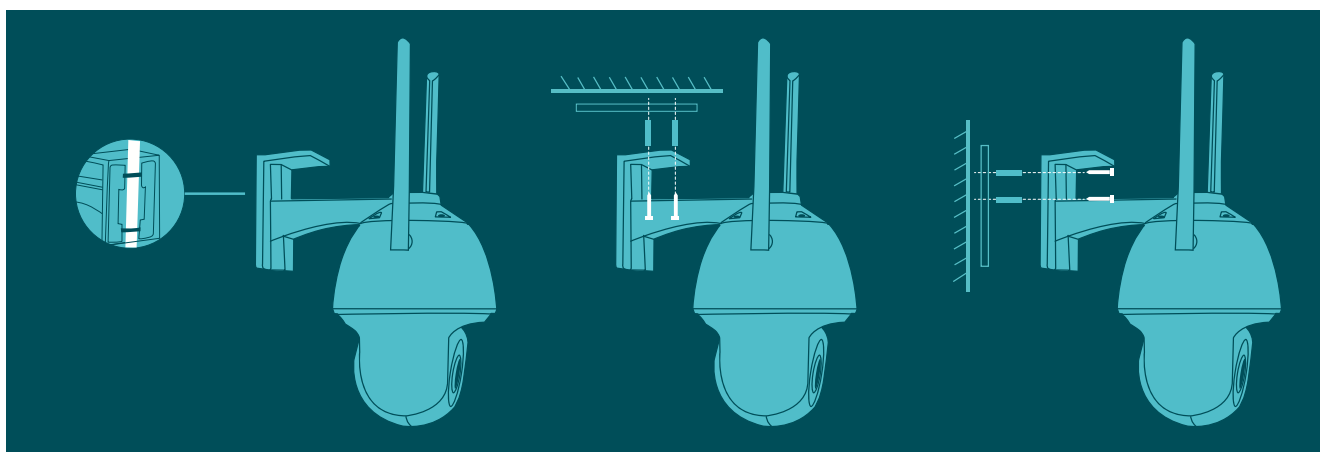
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

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



## // Flexible Installation

Find the perfect vantage point by simply securing your camera to the ceiling, wall, or pole.



## // Specifications

| Camera               |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| Product Model        | VIGI C540-W                                                             |
| Image Sensor         | 1/3" 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 Mechanism  | IR Cut Filter                                                           |
| Day/Night Switch     | Unified/ Scheduled/ Auto                                                |
| PTZ                  |                                                                         |
| Pan/Tilt Range       | Pan: 0° to 350°, 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;<br>Auto restore to previous PT and lens status after power failure |
| Park Action          | Yes;<br>Preset; Patrol Scan                                             |
| 3D Positioning       | Yes                                                                     |
| Lens                 |                                                                         |
| Type                 | Fixed Focal Lens                                                        |
| Focal Length         | 4 mm                                                                    |
| Aperture             | F1.6                                                                    |
| FOV                  | Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93°               |
| Lens Mount           | M12                                                                     |

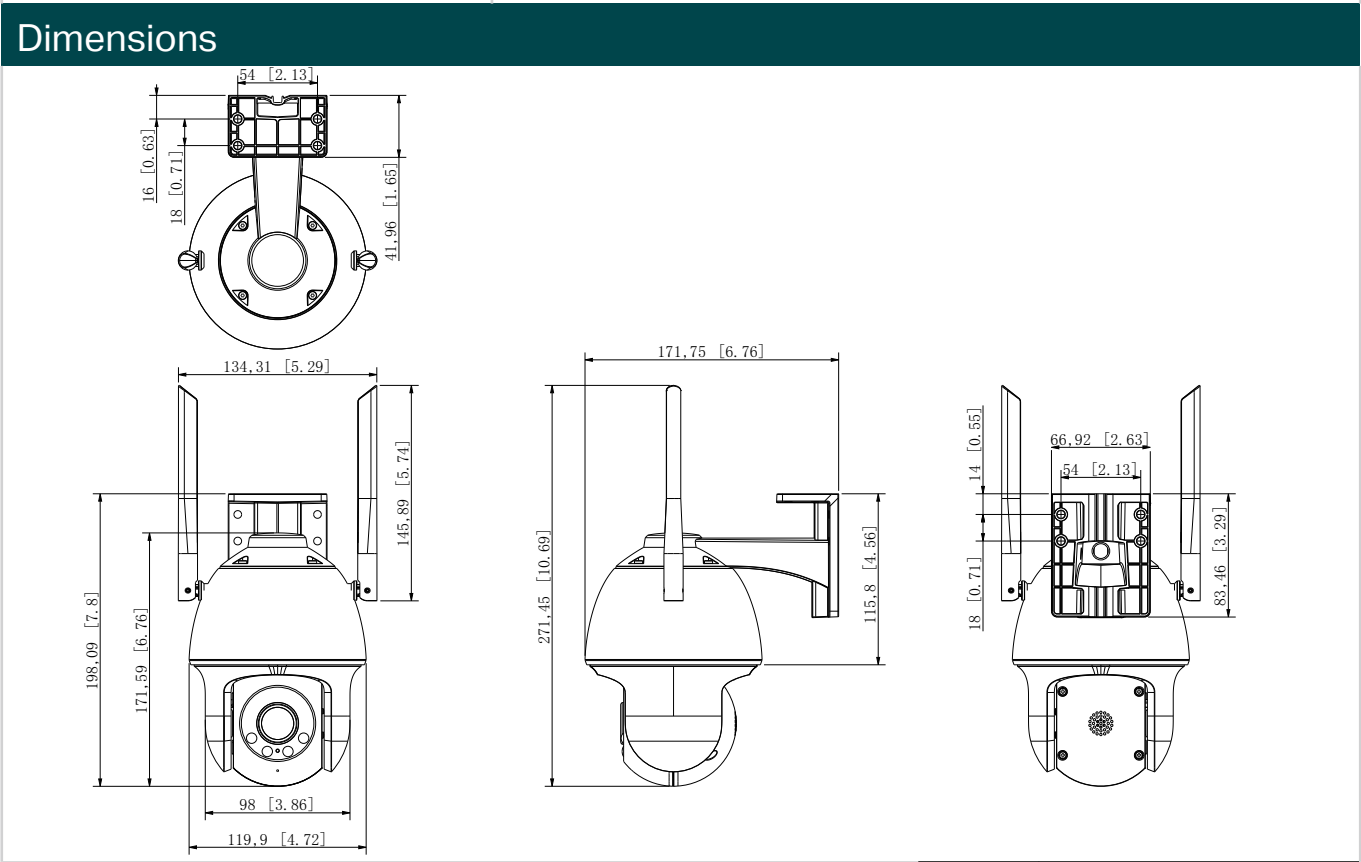
|                            |                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DORI Distance              | 4 mm:<br>Detect: 80 m (262 ft)<br>Observe: 33 m (109 ft)<br>Recognize: 16 m (52 ft)<br>Identify: 8 m (26 ft)                                                                                                                                                                              |
| 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                | Frame Rate:<br>50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps<br>60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution:<br>2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720<br>Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps. |
| Sub-Stream                 | Frame Rate:<br>50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps<br>60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution:<br>640x480, 352x288, 320x240<br>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<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 4 Mbps<br>Sub-Stream: 64 Kbps to 512 Kbps                                                                                                                                                                                                                                                                                                                                |
| <b>Alarm and Event Management</b> |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Smart Event                       | <ul style="list-style-type: none"> <li>• Area Intrusion Detection</li> <li>• Line-Crossing Detection</li> <li>• People Detection</li> <li>• Vehicle 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>• Scene Change Detection</li> </ul> |
| Basic Event                       | <ul style="list-style-type: none"> <li>• Motion Detection (Enhanced with Human &amp; Vehicle Classification for more accurate alerts)</li> <li>• Video Tampering Detection</li> <li>• Exception ( Illegal Login)</li> </ul>                                                                                                                                                                       |
| Alarm Linkage                     | Memory Card Video Recording, Message Push, Audible Warning, White Light Flashing                                                                                                                                                                                                                                                                                                                  |
| Linkage Method                    | N/A                                                                                                                                                                                                                                                                                                                                                                                               |
| Output Notification               | Message Push                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Image</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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                                                                                                                        |
| <b>Audio</b>                |                                                                                                                            |
| 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)                                                                                                        |
| <b>Network</b>              |                                                                                                                            |
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP, SMTP, SNMP, RTMP |
| API                         | Open Network Video Interface (Profile S/T/G)                                                                               |
| Web Browser                 | Google Chrome® 57 and above<br>Firefox® 52 and above<br>Safari® 11 and above<br>Microsoft® Edge 91 and above               |
| Security                    | Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication                                            |
| 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                                               |
| Cloud                       | Yes                                                                                                                        |
| ONVIF                       | Yes                                                                                                                        |
| <b>Wireless</b>             |                                                                                                                            |
| Standards                   | IEEE 802.11b/g/n                                                                                                           |
| Frequency                   | 2.4 GHz                                                                                                                    |
| WiFi Channels               | UN: 1-13, US: 1-11                                                                                                         |
| Auto Wireless Channel       | N/A                                                                                                                        |

|                       |                                                                            |     |
|-----------------------|----------------------------------------------------------------------------|-----|
| Wireless Statistics   | N/A                                                                        |     |
| Throughput Mornitor   | N/A                                                                        |     |
| Radio Bandwidth       | Auto                                                                       | N/A |
|                       | 20M                                                                        | Yes |
|                       | 40M                                                                        | Yes |
| Transmit Power        | High                                                                       |     |
| Wireless Rate         | 11Mbps(802.11b)<br>54Mbps(802.11g)<br>150/300Mbps(802.11n)                 |     |
| Wireless Security     | PWPA/WPA2-PSK                                                              |     |
| Wireless Mode         | AP, AP Client                                                              |     |
| 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 Speaker      | Yes                                                                        |     |
| Built-in Microphone   | Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera |     |
| Audio                 | N/A                                                                        |     |
| Alarm                 | N/A                                                                        |     |
| Reset Button          | Yes                                                                        |     |
| General               |                                                                            |     |
| Antenna               | Quantity: 2                                                                |     |
|                       | Type: 2.4GHz Welded Dipole Omni-Directional Antenna                        |     |
|                       | Gain: 2.0dBi                                                               |     |
| 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 Contents      | VIGI Network Camera<br>Quick Start Guide<br>Waterproof Cable Attachments<br>Power Adapter<br>Mounting Accessories |
| Power Supply          | 12V DC/1A, 5.5mm Coaxial Power Plug                                                                               |
| Power Consumption     | Max 15.3W                                                                                                         |
| Audio Communication   | Two-Way Audio                                                                                                     |
| Ingression Protection | IP66                                                                                                              |
| Material              | Plastic                                                                                                           |
| Net Weight            | 0.62 Kg                                                                                                           |
| Gross Weight          | 1.21 Kg                                                                                                           |
| Product Dimensions    | 4.7 × 6.8 × 7.8 in (120 × 172 × 198 mm )(excluding antennas)                                                      |
| Certifications        | CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, FCC, IC, R-NZ                                                             |



\*Micro SD card is not included in the package.

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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