

Outdoor Full-Color

Pan Tilt Network Camera

MODEL: VIGI C540(4mm)



4MP | H.265+

VIGI C540(4mm)



Human & Vehicle
Classification



Smart Detection



Powerful Pan Tilt



IP66



Onboard Storage*



Two-Way Audio

// Human & Vehicle Classification

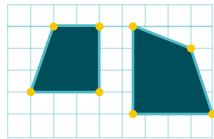
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



// Smart Detection



Motion Detection



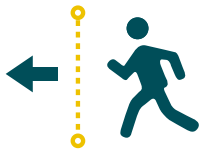
Region Intrusion



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.

// Specifications

| Camera | |
|----------------------|---|
| Product Model | VIGI C540 |
| 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; Auto restore to previous PT and lens status after power failure |
| Park Action | Yes; Preset; Patrol Scan |
| 3D Positioning | Yes |
| Lens | |
| Focal Length | 4 mm |
| Aperture | F1.6 |
| Focus | Fixed |
| FOV | Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93° |
| Lens Mount | M12 |
| DORI Distance | Detect: 80 m (262 ft) Observe: 33 m (109 ft) Recognize: 16 m (52 ft) Identify: 8 m (26 ft) |

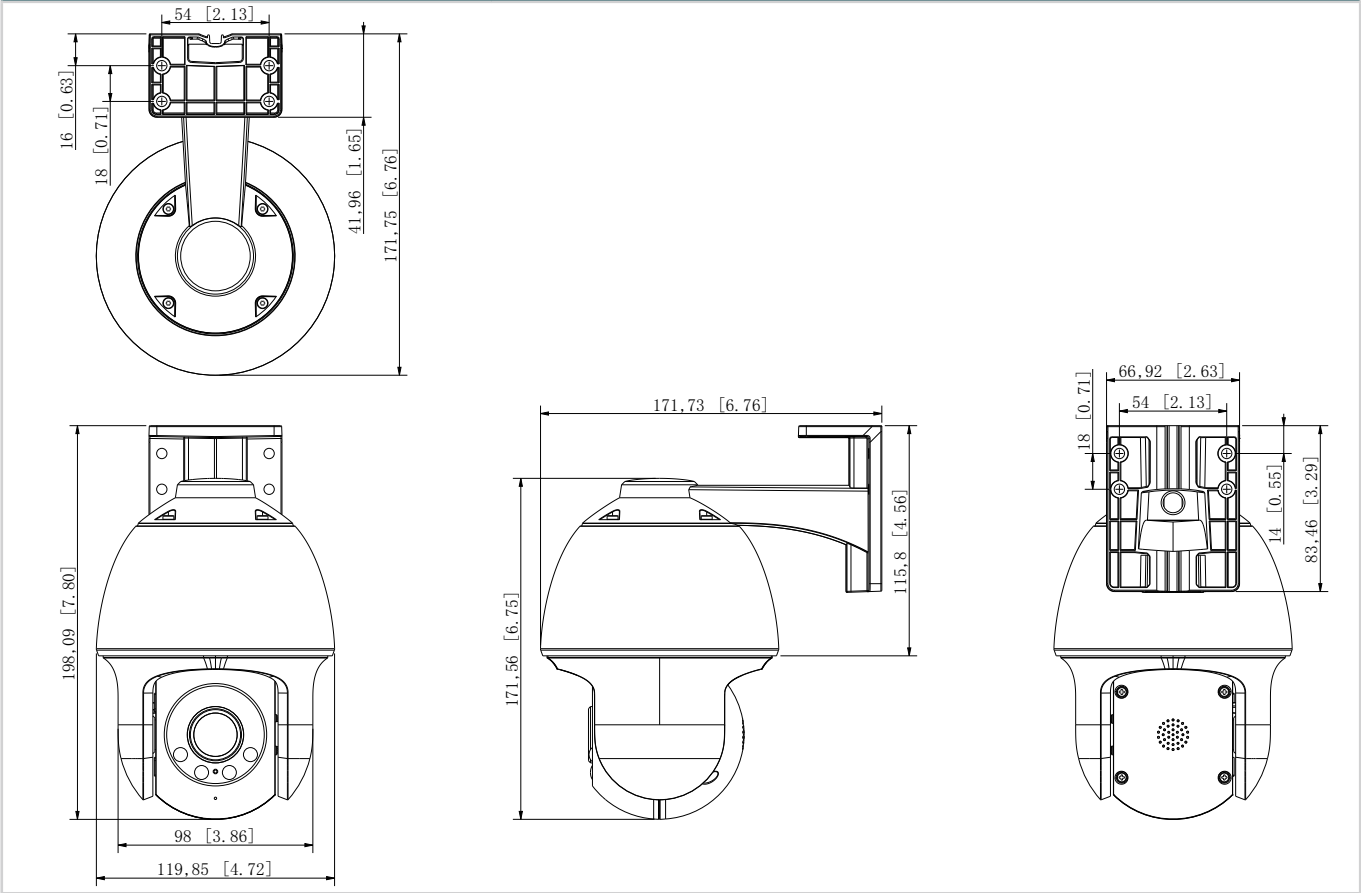
| Illuminator | |
|----------------------------|---|
| IR LED | Quantity: 2 Range: 30m Wavelength: 850nm |
| White LED | Quantity: 2 Range: 30m |
| Illuminator On/Off Control | Auto/Scheduled/Always on/Always off |
| Video | |
| Max. Resolution | 2560 X 1440 |
| Main Stream | Frame Rate: 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720 Note: If the image rotation is set to 90° or 270°, 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: 640x480, 352x288, 320x240 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 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 |

| 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, Abnormal Sound Detection |
| Basic Event | Motion Detection, Video Tampering Detection, Exception (Illegal Login) |
| Alarm Linkage | Memory Card Video Recording, Message Push, Audible Warning, White Light Flashing |
| Linkage Method | N/A |
| Output Notification | Message Push |
| Image | |
| 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 |
| ROI | 1 Region |
| Privacy Mask | Up to 4 Masks |
| 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) |

| Network | |
|------------------------|--|
| Protocols | TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, UDP, SSL/TLS, FTP/SFTP, RTP, IPv4, IPv6, ARP |
| API | Open Network Video Interface (Profile S) |
| Web Browser | Google Chrome® 57 and above Firefox® 52 and above Safari® 11 and above 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, VIGI Security Manager, Web UI |
| Cloud | Yes |
| ONVIF | Yes |
| Interface | |
| Network Interface | 1 RJ45 10/100M Self-Adaptive Ethernet Port, PoE |
| Power | DC Power 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 15-ft Radius of the Camera |
| Audio | N/A |
| Alarm | N/A |
| Reset Button | Yes |
| 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 ± 5%, Max. 14 W, 5.5mm Coaxial Power Plug PoE: 802.3at, class 4, Max. 16 W |

| | |
|--------------------|--|
| Package Contents | VIGI Network Camera Quick Start Guide Waterproof Cable Attachments Mounting Accessories |
| Material | Plastic |
| Protection | IP66 |
| Material | Plastic |
| Product Dimensions | 120 × 172 × 198 mm |
| Certifications | CE, RCM, BSMI, VCCI, RoHS, NTRA, KC |

Dimensions



*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.

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