tp-link | VIGI

**Datasheet**
Security Never Shuts Down

# Outdoor IR
## Bullet Network Camera

MODEL: VIGI C320I (2.8/4/6mm)
VIGI C330I (2.8/4/6mm)
VIGI C340I (2.8/4/6mm)



Human & Vehicle Classification

Smart Detection

IP67 Weatherproof

Built-In Microphone

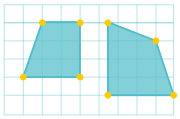
Remote Monitoring

## Human & Vehicle Classification

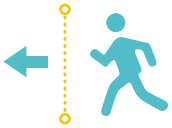
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



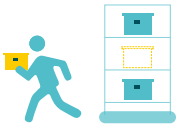
## Smart Detection



Intrusion Detection



Line-Crossing Detection



Object Removal Detection



Object Abandoned Detection



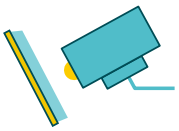
Region Entering Detection



Region Exiting Detection



Motion Detection



Camera Tampering

## 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.

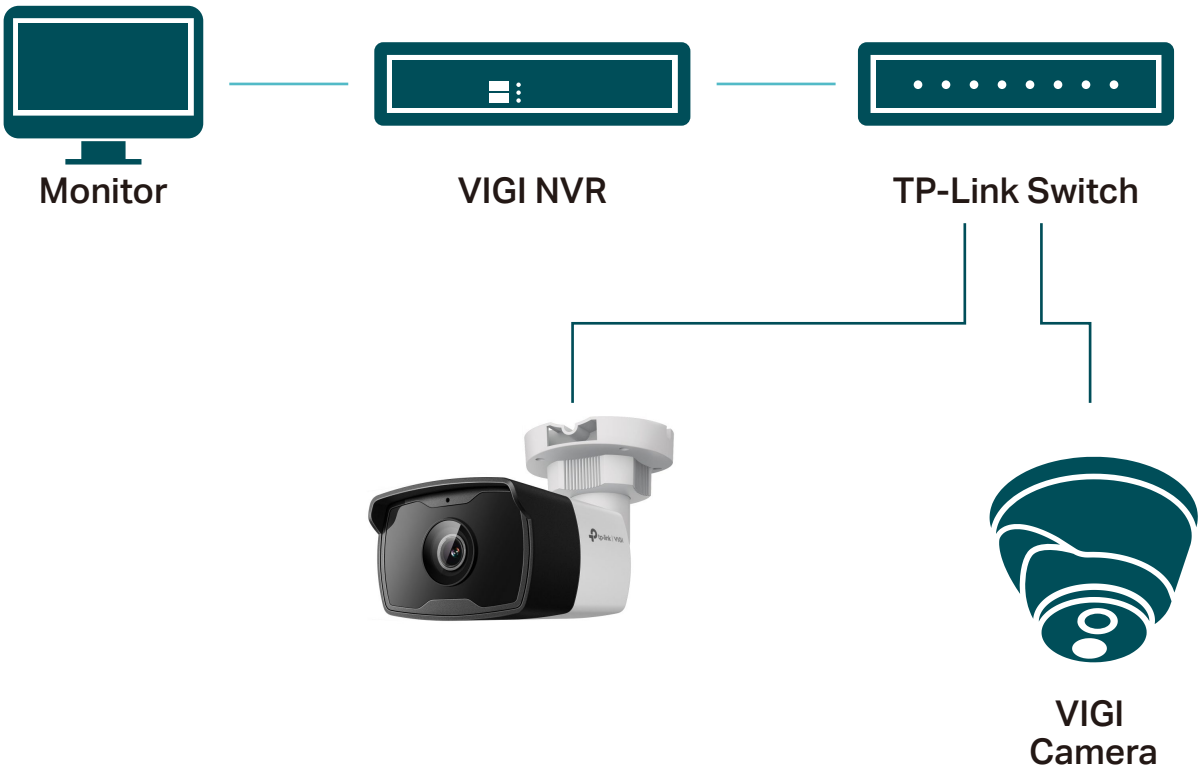
**3D DNR**

Removes abnormal pixelation to provide clearer video and eliminate distortion.

# VIGI Surveillance Solution

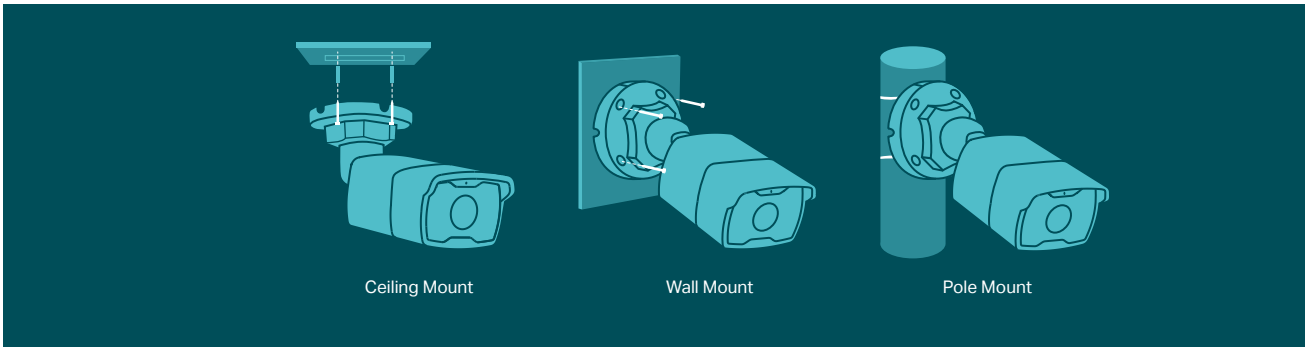
The VIGI professional surveillance system by TP-Link is dedicated to protecting the business that you've worked hard to build—whenever, wherever.

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



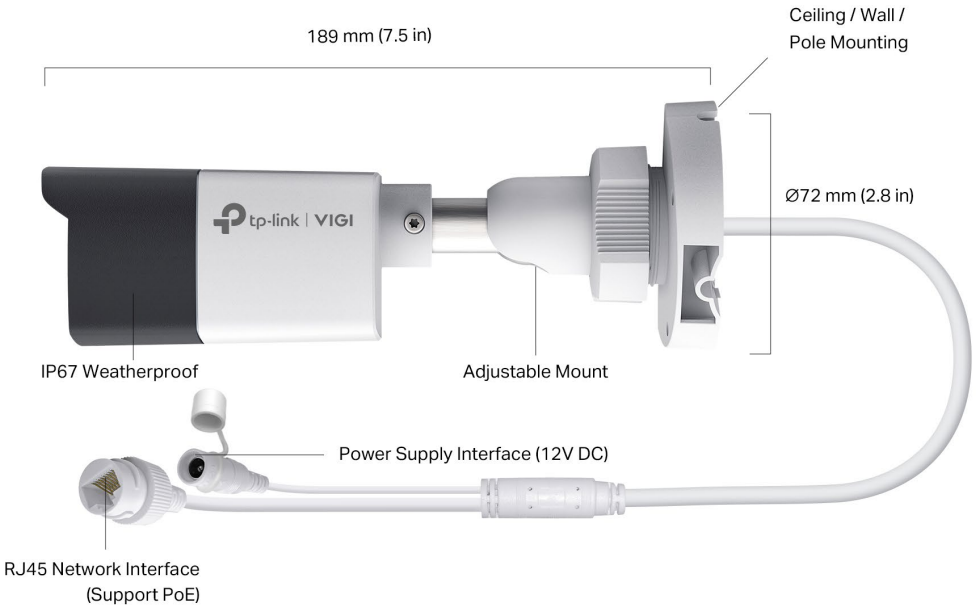

# Flexible Installation

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



# Build Features




* VIGI C320I does not have DC power port.

# Specifications

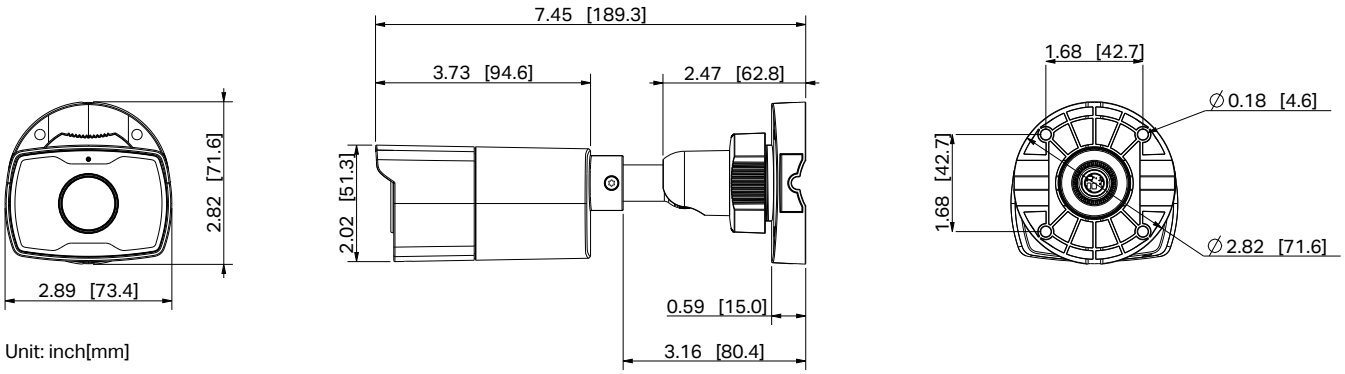
| Camera | | | |
|---|---|---|---|
| Product Model | VIGI C320I | VIGI C330I | VIGI C340I |
| Image Sensor | 1/3" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Slow Shutter | Yes | | |
| Min. Illumination | Color: 0.01 Lux; 0 Lux with IR | | |
| Day & Night Mechanism | IR Cut Filter | | |
| Day/Night Switch | Unified/ Scheduled/ Auto | | |
| **Lens** | | | |
| Focal length | 2.8 mm/4 mm/6 mm | 2.8 mm/4 mm/6 mm | 2.8 mm/4 mm/6 mm |
| Aperture | 2.8mm: F2. 2<br>4mm: F2.0<br>6mm: F2.0 | 2.8mm: F2.2<br>4mm: F2.0<br>6mm: F2.0 | 2.8mm: F2.2<br>4mm: F2.0<br>6mm: F2.0 |
| Focus | Fixed | | |
| FOV | 2.8mm: 88.2°/48.6°/106.5° (H/V/D)<br>4mm: 75.2/40.8°/88.3° (H/V/D)<br>6mm: 49.8°/27.6°/57.7° (H/V/D) | 2.8mm: 97.8°/52.9°/117.9° (H/V/D)<br>4mm: 82.8°/44.5°/98.1° (H/V/D)<br>6mm: 54.5°/30.0°/63.2° (H/V/D) | 2.8mm: 88.8°/48.9°/106.5° (H/V/D)<br>4mm: 75.2°/40.8°/88.3° (H/V/D)<br>6mm: 49.8°/27.6°/57.7° (H/V/D) |
| Lens Mount | M12 | M12 | M12 |
| DORI Distance | 2.8 mm:<br>Detect: 45 m (149 ft)<br>Observe:19 m (62 ft)<br>Recognize: 9 m (30 ft)<br>Identify: 5 m (15 ft)<br>4 mm:<br>Detect: 60 m (198 ft)<br>Observe: 25 m (83 ft)<br>Recognize: 12 m (40 ft)<br>Identify: 6 m (20 ft)<br>6 mm:<br>Detect: 91 m (297 ft)<br>Observe: 38 m (124 ft)<br>Recognize: 18 m (59 ft)<br>Identify: 9 m (30 ft) | 2.8 mm:<br>Detect: 49 m (161 ft)<br>Observe: 20 m (67 ft)<br>Recognize: 10 m (32 ft)<br>Identify: 5 m (16 ft)<br>4 mm:<br>Detect: 65 m (214 ft)<br>Observe: 27 m (89 ft)<br>Recognize: 13 m (43 ft)<br>Identify: 7 m (21 ft)<br>6 mm:<br>Detect: 98 m (321 ft)<br>Observe: 41 m (134 ft)<br>Recognize: 20 m (64 ft)<br>Identify: 10 m (32 ft) | 2.8 mm:<br>Detect: 60 m (197 ft)<br>Observe: 25 m (82 ft)<br>Recognize: 12 m (39 ft)<br>Identify: 6 m (20 ft)<br>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)<br>6 mm:<br>Detect: 120 m (394 ft)<br>Observe: 50 m (164 ft)<br>Recognize: 24 m (79 ft)<br>Identify: 12 m (39 ft) |
| **Angle Adjustment (Manual)** | | | |
| Range | • Pan: 0° to 360°<br>• Tilt: 0° to 90°<br>• Rotation: 0° to 360° | | |

| Illuminator | | | |
|---|---|---|---|
| IR LED | • Quantity: 2<br>• Range: 50m<br>• Wavelength: 850nm | | |
| White LED | N/A | | |
| Illuminator On/Off Control | Auto/Scheduled/Always on/Always off | | |
| **Video** | | | |
| Max. Resolution | 2MP (1920 × 1080) | 3MP (2304 × 1296) | 4MP (2560 × 1440) |
| Main Stream | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 1920x1080, 1280x960, 1280x720 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 2304x1296, 2048x1280, 1920x1080, 1280x720 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 2560x1440,2304x1296, 2048x1280, 1920x1080, 1280x720 |
| Sub-Stream | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 704x576, 640x480, 352x288, 320x240 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 704x576, 640x480, 352x288, 320x240 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps<br>Resolution: 736x416, 640x480, 640x360, 352x288, 320x240 |
| 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 | | |
| **Image** | | | |
| Image Settings | • Mirror<br>• Brightness<br>• Contrast<br>• Saturation<br>• Sharpness<br>• Exposure<br>• WDR<br>• White Balance<br>• Prevent Overexposure to Infrared Light<br>• HLC Adjustable by Client Software<br>• 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 |
| **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, FTP/SFTP, RTP, IPv4, IPv6, ARP, SMTP, SNMP, RTMP |
| ONVIF | Yes |
| API | Open Network Video Interface (Profile S/T) |
| Security | Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication |
| Simultaneous Live View | 3 Main Streams & 3 Sub-Streams |
| Cloud | Yes |
| Client | VIGI App, Web UI, VIGI VMS, VIGI Cloud VMS, VIGI Config Tool, VIGI PC Client |
| Web Browser | • Google Chrome® 57 and above<br>• Firefox® 52 and above<br>• Safari® 11 and above<br>• Microsoft® Edge 91 and above |
| **Alarm and Event Management** | |
| Smart Event | • Intrusion Detection<br>• Line-Crossing Detection<br>• Region Entering Detection<br>• Region Exiting Detection<br>• Object Abandoned/Removal Detection<br>• Abnormal Sound Detection<br>• People Detection<br>• Vehicle Detection |

| | | | |
|---|---|---|---|
| Basic Event | • Motion Detection (Enhanced with Human & Vehicle Classification for more accurate alerts)<br>• Video Tampering Detection<br>• Exception ( Illegal Login) | | |
| Alarm Linkage | Message Push | | |
| **Interface** | | | |
| Network Interface | 1 RJ45 10/100M Self-Adaptive Ethernet Port | | |
| Alarm | N/A | | |
| Reset Button | N/A | | |
| Power | DC Power Port (VIGI C320I does not have DC power port) | | |
| On-board Storage | N/A | | |
| Built-in Microphone | Yes; Records Anything Going on within a 16.4-ft (5 m) Radius of the Camera | | |
| Built-in Speaker | N/A | | |
| Audio | N/A | | |
| **General** | | | |
| 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) | | |
| Power Supply | PoE (802.3af/at, class 0) | 12V DC ± 5%, 5.5mm Coaxial Power Plug<br>PoE (802.3af/at, class 0) | 12V DC ± 5%, 5.5mm Coaxial Power Plug<br>PoE (802.3af/at, class 0) |
| Power Consumption | PoE: class 0 | 12V DC: Max 5W<br>PoE: class 0 | 12V DC: Max 5W<br>PoE: class 0 |
| Ingression Protection | IP67 Waterproof | | |
| Material | Metal + Plastic | | |
| Product Dimensions | 7.5 × 2.8 × 2.9 in (189 × 72 × 73 mm) | | |
| Certification | CE, NTRA, VCCI, BSMI | | |

## Dimensions




Unit: inch[mm]

* VIGI C320I does not have DC power port.

Specifications are subject to change without notice and can be found at www.vigi.com.

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