

IR Turret Network Camera

MODEL: VIGI C420I (2.8/4mm), VIGI C430I (2.8/4mm),
VIGI C440I (2.8/4mm)



H.265+

2/3/4MP



Human & Vehicle
Classification



Smart Detection



SmartVid



Remote Monitoring

// Human & Vehicle Classification

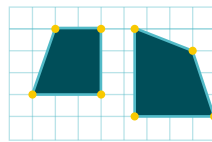
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



// Smart Detection



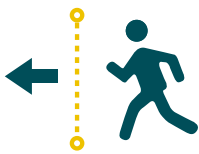
Motion Detection



Area Intrusion



Object Removal



Line-Crossing



Camera Tampering



Abandoned Object

// 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.



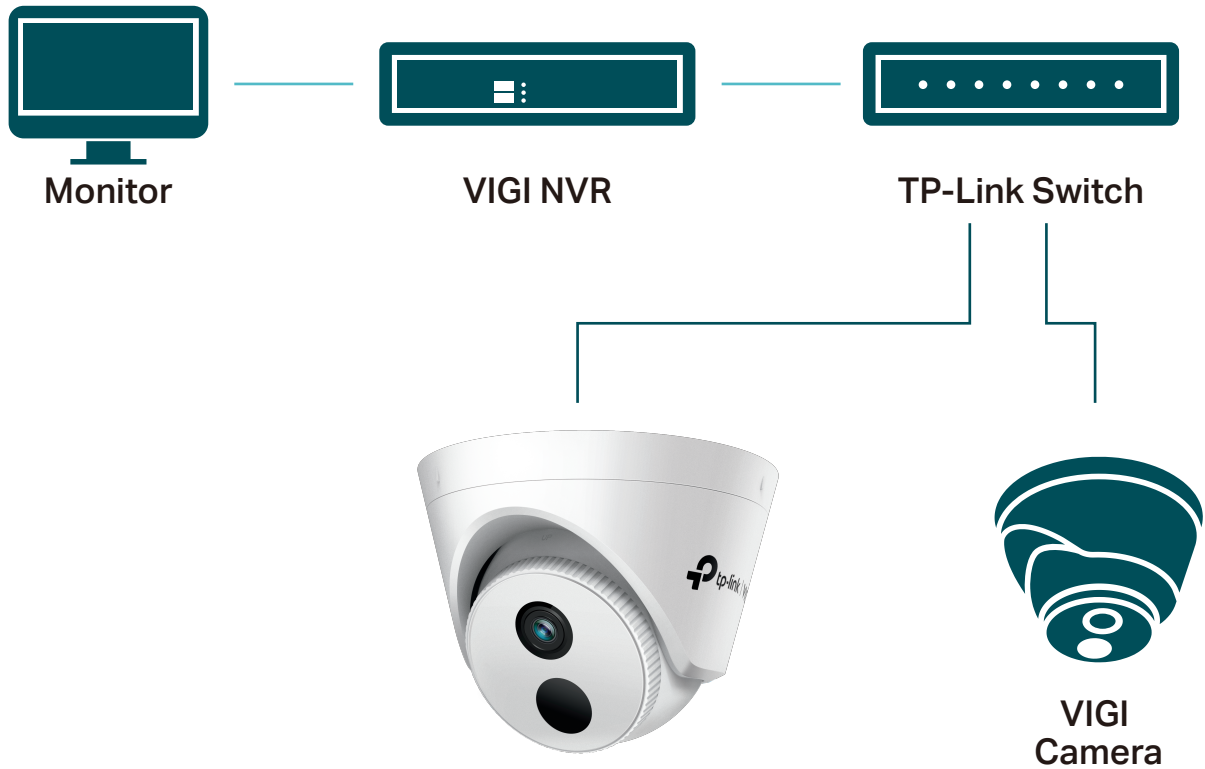
3D DNR

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

Easily route your camera's cable into a dropped ceiling or avoid drilling by slotting it through the camera's side outlet.



// Specifications

| Camera | | | |
|-------------------------|---|---|---|
| Product Model | VIGI C420I | VIGI C430I | VIGI C440I |
| Image Sensor | 1/3" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.1 Lux; 0 Lux with IR | | |
| Day & Night | IR Cut Filter | | |
| Digital Noise Reduction | 3D DNR | | |
| WDR | DWDR | | |
| Lens | | | |
| Focal length | 2.8 mm/4 mm | 2.8 mm/4 mm | 2.8 mm/4 mm |
| Aperture | 2.8mm: F2.2 4mm: F2.0 | 2.8mm: F2.2 4mm: F2.0 | 2.8mm: F2.2 4mm: F2.2 |
| Focus | Fixed | | |
| FOV | 2.8mm: 88.2°/48.7°/106.5° (H/V/D) 4mm: 74.6°/41.3°/88.1° (H/V/D) | 2.8mm: 97.8°/52.9°/117.9° (H/V/D) 4mm: 82.5°/44.9°/99.3° (H/V/D) | 2.8mm: 88.8°/48.9°/106.5° (H/V/D) 4mm: 75.1°/41.5°/88.7° (H/V/D) |
| Lens Mount | M12 | M12 | M12 |
| IR | | | |
| IR Range | 30m | | |
| Wavelength | 850nm | | |
| Compression Standard | | | |
| Video Compression | Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264 | | |
| H.264 Type | Main Profile/High Profile | | |
| H.264+ | Main Stream Supported | | |
| H.265 Type | Main Profile | | |
| H.265+ | Main Stream Supported | | |
| Video Bit Rate | 64 Kbps to 4 Mbps | | |
| Smart Feature-set | | | |
| Smart Event | Human & Vehicle Classification, Area Intrusion Detection, Line-Crossing Detection, People Detection, Area Entrance Detection, Area Exiting Detection, Abandoned Object Detection, Object Removal Detection, Vehicle Detection | | |
| Basic Event | Motion Detection, Video Tampering Detection, Exception (illegal login) | | |
| Linkage Method | Trigger Notification: ONVIF, HTTPS | | |
| Region of Interest | 1 Region | | |

| Image | | | |
|-------------------------|--|--|---|
| Max. Resolution | 2MP (1920 × 1080) | 3MP (2304 × 1296) | 4MP (2560 × 1440) |
| Main Stream | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 1920x1080, 1280x960, 1280x720 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 2304x1296, 2048x1280, 1920x1080, 1280x720 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720 |
| Sub-Stream | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 704x576, 640x480, 352x288, 320x240 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 704x576, 640x480, 352x288, 320x240 | Frame Rate: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps Resolution: 640x480, 352x288, 320x240 |
| Image Enhancement | BLC/3D DNR/HLC/SmartIR | | |
| Image Settings | Mirror, brightness, contrast, saturation, sharpness, exposure, WDR, white balance, HLC adjustable by client software, Rotation(90°/270°) | | |
| Day/Night Switch | Day/Night/Auto/Schedule | | |
| Network | | | |
| Protocols | TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, UDP, SSL/TLS | | |
| General Function | Two Streams, Mirror, Privacy Masks, Password Reset via E-mail, HTTP Listening | | |
| API | ONVIF | | |
| 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, VIGI NVR | VIGI App, VIGI Security Manager, VIGI NVR, Web | VIGI App, VIGI Security Manager, VIGI NVR, Web |
| Interface | | | |
| Communication Interface | 1 RJ45 10/100M Self-Adaptive Port | | |
| Video Output | No | | |
| Reset Button | N/A | | |
| General | | | |
| Operating Temperature | -30–60 °C | | |
| Power Supply | PoE (802.3af/at, class 0) | 12V DC ± 5%, 5.5mm Coaxial Power Plug PoE (802.3af/at, class 0) | 12V DC ± 5%, 5.5mm Coaxial Power Plug PoE (802.3af/at, class 0) |
| Power Consumption | PoE: class 0 | 12V DC: Max 5W PoE: class 0 | 12V DC: Max 5W PoE: class 0 |
| Material | Plastic | | |
| Product Dimensions | 123 × 123 × 83 mm | | |
| Certification | CE/BSMI/VCCI/ONVIF | | |