

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

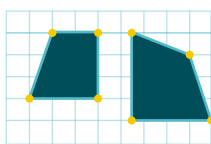
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



// Smart Detection



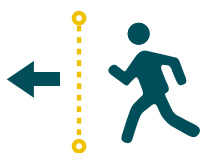
Motion Detection



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.



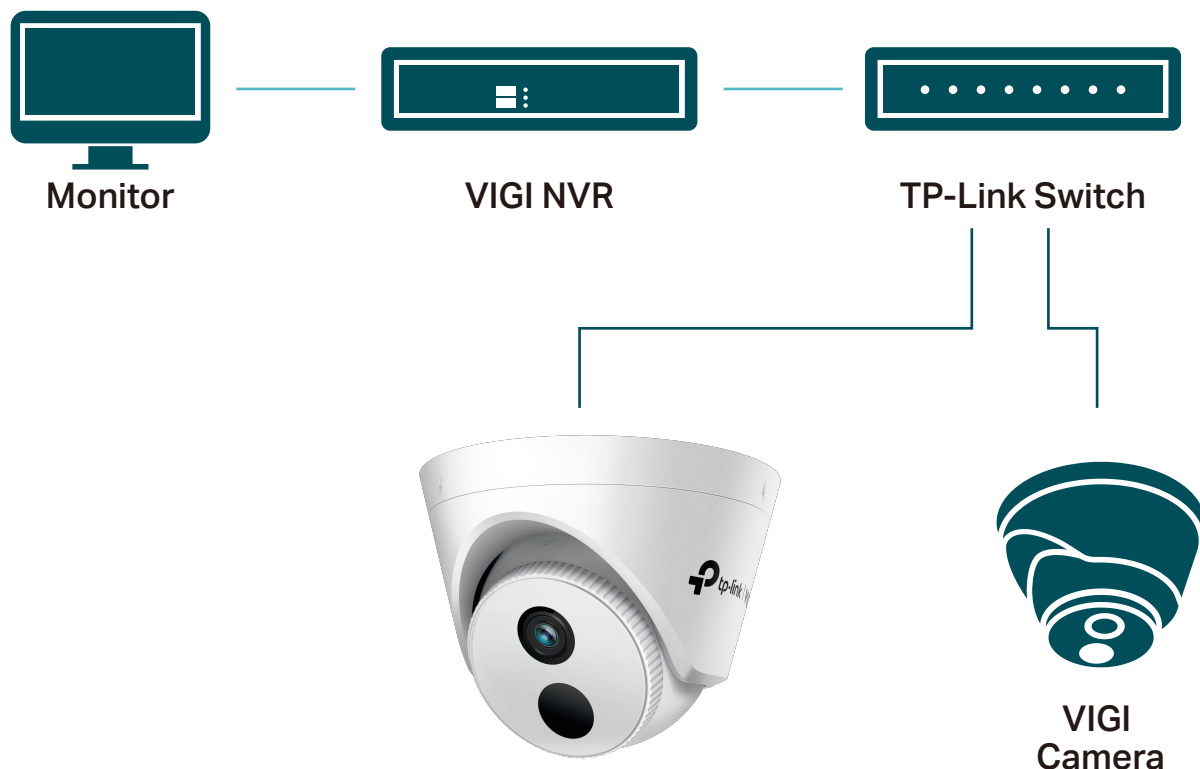
3D DNR

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		

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