

# IR Turret Network Camera

MODEL: VIGI C420I (2.8/4mm)



**H.265+**

2MP



Human & Vehicle  
Classification



Smart Detection



SmartVid



Remote Monitoring

## // Human & Vehicle Classification

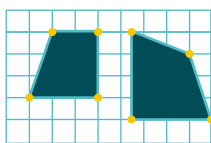
Intelligently distinguishes humans and vehicles from other objects, so you receive more accurate event notifications.



## // Smart Detection



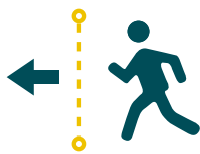
Motion Detection



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.



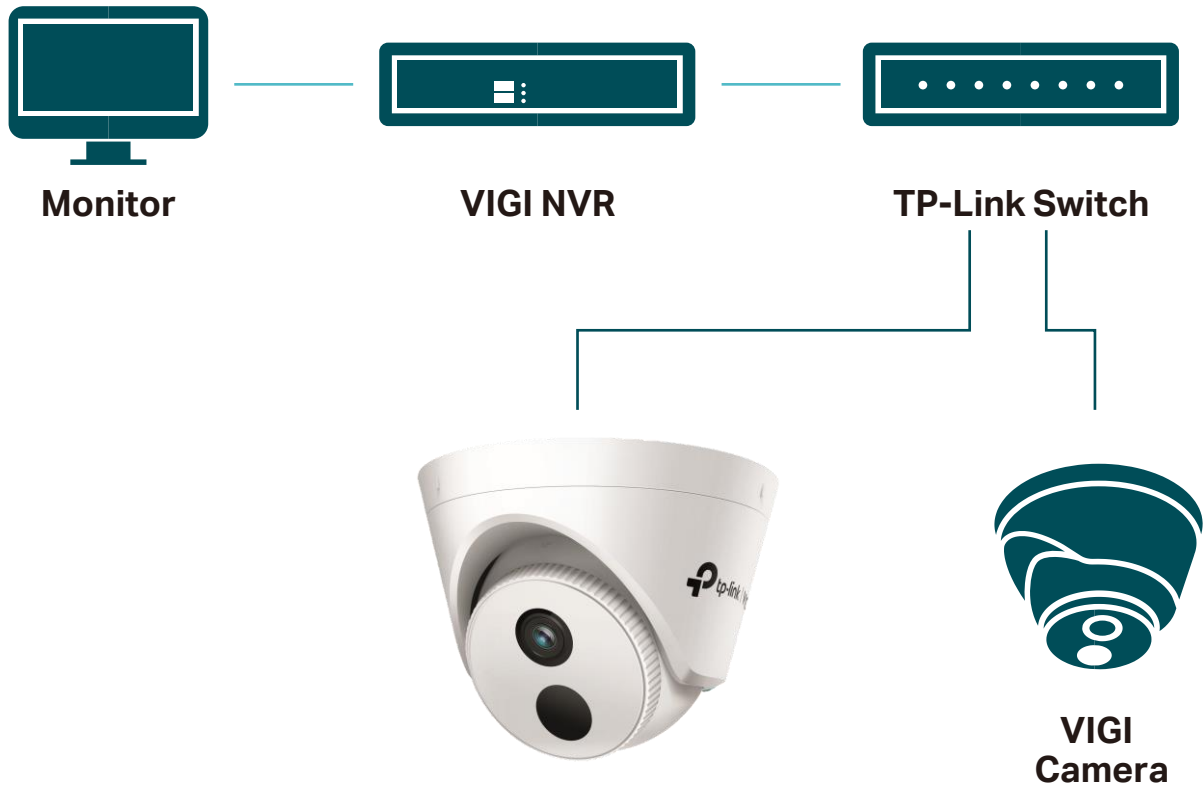
### 3D DNR

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
ROM	64 MB
RAM	512 MB
Image Sensor	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
Aperture	2.8mm: F2.2 4mm: F2.0
FOV	2.8mm: 88.2°/48.7°/106.5° (H/V/D) 4mm: 74.6°/41.3°/88.1° (H/V/D)
Focus	Fixed
Lens Mount	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
<b>Image</b>	
Max. Resolution	2MP (1920 × 1080)
Main Stream	Frame Rate: 1fps, 5fps,10fps, 15fps, 20fps, 25fps,30fps Resolution: 1920x1080, 1280x960, 1280x720
Sub-Stream	Frame Rate: 1fps, 5fps,10fps, 15fps, 20fps, 25fps,30fps Resolution: 704x576,640x480, 352x288,320x240
Image Settings	Mirror, brightness, contrast, saturation, sharpness, exposure, WDR, white balance, HLC adjustable by client software, Rotation (90°/270°)
Image Enhancement	BLC/3D DNR/HLC/SmartIR
Day/Night Switch	Day/Night/Auto/Schedule
<b>Smart Feature-set</b>	
Smart Event	Intrusion Detection, Line-Crossing Detection, Region Entering Detection, Region Exiting Detection, Object Abandoned Detection, Object Removal Detection, Loitering Detection, Smart Frame, People Detection, Vehicle Detection, Motion Detection, Video Tampering Detection, Exception (Illegal Login), Scene Change Detection
Basic Event	Motion Detection, Video Tampering Detection, Exception (illegal login)
Linkage Method	Trigger Notification: ONVIF, HTTPS
Region of Interest	1 Region
<b>Network</b>	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS., DHCP, DNS, RTSP, NTP, UPnP, SSL/TLS, FTP, SFTP, RTP, IPv4, ARP
General Function	Two Streams, Mirror, Privacy Masks, Password Reset via E-mail, HTTP Listening

Cyber Security	Video encryption, Configuration encryption, Digest Authentication, HTTPS, IP Address Filter, trusted upgrade
SDK and API	Beta
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
Cloud	Yes
ONVIF	Yes (Profile S)
<b>Interface</b>	
Network Interface	1 RJ45 10/100M Self-Adaptive Port
Storage	FTP, SFTP
Video Output	No
Reset Button	N/A
<b>General</b>	
Operating Temperature -	-30–60 °C
Power Supply	PoE (802.3af/at, class 0)
Power Consumption	PoE: class 0
Material	Plastic
Product Dimensions	123 × 123 × 83 mm
Certifications	CE/BSMI/VCCI/ONVIF

Specifications are subject to change without notice and can be found at [www.tp-link.com](http://www.tp-link.com).

©2022 TP-Link