



Product at a Glance

- ▶ 2 MP and 4 MP models
- ▶ H.265/H.264 compression
- ▶ WDR
- ▶ IR LEDs (98 ft/30 m range)
- ▶ Motorized lens
- ▶ 0.1 lux low light capabilities (color)
- ▶ Triple streaming
- ▶ Smart encoding
- ▶ Video Content Analysis (VCA)
- ▶ Museum Search
- ▶ Power-over-Ethernet (PoE), 12 VDC
- ▶ Ease of installation and adjustment
- ▶ Surface mounting on wall or ceiling
- ▶ IP66 for outdoor environments



Overview

Vicon's V9501D HD IP Turret Cameras are designed for demanding security installations. There are 1080P (2 MP) and 4 MP models with a motorized varifocal autoiris lens. The camera includes IR illuminators.

The V9501D Series provides triple streaming and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth. The camera provides Smart Encoding, which monitors the amount of motion in a scene, resulting in overall savings in storage requirements and bandwidth.

The camera is designed for easy installation. Power over Ethernet (IEEE 802.3af) eliminates the need for power cables,

providing a cost-effective method of installation. The camera also accepts 12 VDC. The V9501D can be mounted on a wall or ceiling; its unique design provides easy adjustment for any angle of view.

In order to adapt to constantly changing outdoor lighting conditions, the V9501D series features an autoiris lens to adjust the lens opening to the changing light levels. The true day/night progressive scan camera also includes a removable IR cut filter for superior image quality in all lighting conditions. Wide Dynamic Range further improves picture quality by balancing the high contrast between bright and dark areas in scenes, providing one clear image.

SPECIFICATIONS

Model	V9521D-312MIR	V9541D-312MIR
Image Sensor:	1/2.9-inch progressive scan CMOS sensor	1/3-inch progressive scan CMOS sensor
Max Resolution:	1920 x 1080 (1080p)	2688 x 1520 (4 MP)
Image Settings:	Digital image effects: flip and mirror. Configurable brightness, contrast, saturation, chroma, sharpness. White balance. Electronic shutter speed. Day/night mode. Dynamic Noise Reduction (3D). Motion detection (16 programmable zones). Privacy masking (4 masks). Digital zoom. Event notification.	
Video Analytics	Tampering; Intelligent Video Motion Detection; Intrusion Detection; Museum Search	
Electronic Shutter Speed:	Auto (1 ~ 1/10,000 sec), manual	
Day/Night Performance:	True day/night (IR cut filter)	
Wide Dynamic Range	D-WDR	
Minimum Illumination:	Color: 0.1 lux @f/2.1; BW: 0.0 lux @f/2.1	
IR Distance:	98 ft (30 m); 24 IR LEDs	

Lenses

Focal Length:	2.8-12 mm
Max. Aperture:	f/1.4
Iris:	Autoiris
Zoom/Focus Adjust:	Motorized zoom and focus
Field of View:	95°-35° (H)

Network Video Transmission

Network:	10Base-T, 100Base-TX, RJ-45	
Image Compression:	H.264; H.265; M-JPEG	
Resolution:	1920x1080 (1080P), 1440x1080, 1280x1024, 1280x720/960 (720P), 1024x768, 704x480/576 (D1), 640x480 (VGA), 400x240, 320x240 (QVGA)	2592x1520, 2304x1296, 1920x1080 (1080P), 1440x1080, 1280x1024, 1280x720/960 (720P), 1024x768, 704x480/576 (D1), 640x480 (VGA), 400x240, 320x240 (QVGA)
Protocol:	IPv4/IPv6, TCP/IP, HTTP, HTTPS, RTSP, RTCP, RTP, DHCP, FTP, UDP, uPnP, ARP, QoS, Zeroconf, Bonjour	
Frame Rate:	30 fps max.	20 fps max. @ 4 MP; 30 fps max. @ 2 MP
Streams:	Triple streams: H.264/H.265 - 2; M-JPEG - 1	
Users:	Up to 10 users	
Web Browser:	Internet Explorer®, Chrome®, Safari®, Firefox®	
Security:	Multi-user authority, IP address filtering, HTTPS encrypted data transmission, SSL, TLS, password protection	

Mechanical and Electrical

Construction:	Aluminum housing
Camera Angle of Adjustment:	3-axis adjustment, pan, tilt and roll. Mechanical camera tilt adjustment of 65°.
Mounting:	Surface mount, wall or ceiling
Dimensions:	5.3 in. (135.4 mm) (Diam) 5.03 in. (127.7 mm) (H)
Weight:	1.76 lb (798 g)

Data Sheet Number: V297-10-02
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SPECIFICATIONS

Electrical

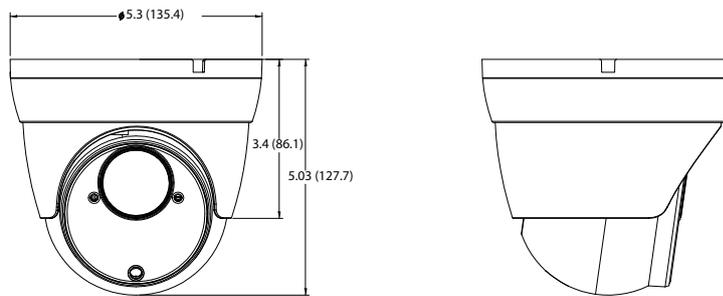
Input Power:	PoE IEEE 802.3af, 12 VDC	
Current (IR on):	PoE: 43 mA 12 VDC: 520 mA	PoE: 75 mA 12 VDC: 550 mA
Power Consumption (IR on):	PoE: 6.9 W 12 VDC: 6.2 W	PoE: 8.4 W 12 VDC: 6.6 W

Controls and Connectors

Connectors:	Power: standard jack for adapter; PoE/Network: RJ-45 CAT 5.
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Environmental

Operating Conditions:	Outdoor Rated Temp: 14 to 122° F (-10 to 50° C) Humidity: up to 90%, non-condensing
Approvals:	FCC Class A, CE; IP66
Warranty:	3 years



Dimension Drawing [in. (mm)]

Ordering Information

Resolution	Lens	Model Number
1080p resolution (2 MP)	2.8 - 12.mm motorized zoom and focus lens	V9521D-312MIR
4 MP	2.8 - 12.mm motorized zoom and focus lens	V9541D-312MIR