VIVOTEK
A Delta Group Company

V Series

IP9191-HT-V2 (3.9-10 mm)

8MP Box AI Camera

Technical Specifications

System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	8GB eMMC
RAM	2GB

Camera Specifications	
Image Sensor	1/1.8" Progressive CMOS
Max. Resolution	3840 x 2160 (16:9) 1920x1080p (16:9)
Lens Type	Vari-focal, Remote Back Focus, i-CS
Focal Length	f= 3.9~10mm
Aperture	F1.5
Iris Type	DC-iris, P-iris, i-CS
Field of View	118.7°~45.6° (Horizontal) 62.9°~25.6° (Vertical) 141.9°~52.4° (Diagonal)
Shutter Time	1/1~1/100000
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Minimum Illumination	0.02 lux @ F1.5 (Color) 0.005 lux @ F1.5 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)

Built-in Installation Aids	Remote back focus, BNC (CVBS)* *only 2MP mode available

Video

Compression	H.265,H.264, MJPEG
Maximum Frame Rate	30 fps @ 3840x2160 (WDR Pro on) 60 fps @ 1920x1080 (WDR Pro off)
Maximum Streams	3 simultaneous streams (Up to 8 configurable profiles)
Main Stream	30fps @ 3840x2160, 3328x1872, 3072x1728, 2688x1520, 2560x1920, 2560x1440 (16:9); 60fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9)
2nd Stream	30fps @ 3840x2160, 3328x1872, 3072x1728, 2688x1520, 2560x1920, 2560x1440, 1920x1080, 1280x720, 640x360 (16:9); 60fps @ 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9)
3rd Stream	30fps @ 1280x720, 640x360 (16:9); 60fps @ 1280x720, 640x360 (16:9)
S/N Ratio	60 db
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constrained bit rate control, Smart Stream III
Image Settings	General settings video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings Illuminators illuminators, anti-overexposure Image settings white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM,LDC, EIS*, scene mode (auto, deblur) Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR Focus zoom, focus Privacy mask Scheduled profile settings

Audio

Audio Capability	Two-way Audio
Compression	G.711, G.726, MPEG-2 AAC-LC
Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Security	Access list, Account block , Audit log, Configurable password strength protection, CSRF protection, Digest authentication, HTTPS , IEEE 802.1x, Secure boot, Session timeout, Signed firmware, Trend Micro IoT Security (Brute force attack event, Cyberattack event, Quarantine event), User access log, User account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, SFTP, TCP/IP, TLS 1.2, UDP, UPnP

Interface	10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Profile G, S, T, M supported, specification available at www.onvif.org

AI Analytics

Compute Capability	SoC with built-in hardware deep learning accelerator
Vision Object Analytics	Object Detection People, Vehicle (4-wheeled, 2-wheeled), Human / Vehicle Bestshot, Path Extraction Attribute Extraction People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color) Human face Bestshot, Re-Search Extraction
Application	Deep Learning VCA (Smart Motion Detection, Smart VCA) Smart VCA - Group 1 Smart Motion Detection (Five-window video motion detection, People detection, Vehicle detection, Time filter), Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, face detection) Smart VCA - Group 2 Unattended object detection, Missing object detection, Crowd detection
Application available with license	Smart VCA - Group 3 Running detection, Parking Violation Detection, Restricted Zone Detection *Support for more analytic applications and free trial,please visit VIVOTEK website.

Solution Integration

VADP Package	Trend Micro IoT Security (Default 3 years)

Alarm and Event

Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot, Casing open detection
Event Action	Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General

Supported P/T/Z	DynaDome/SmartDome, Pelco D, Pelco P, Lilin, Samsung scc643 and customized
Connectors	RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection Audio input Audio output AC 24V power input *1 DC 12V power input*1 Digital input *2 Digital output *2 (DO+: 12V, 50mA; DO-: 30V, Open Drain, 1A) RS485*1 BNC *1
LED Indicator	System power and status indicator
Power Input	AC 24V, DC 12V, IEEE 802.3af PoE Class 0
Power Consumption	DC 12V: Max. 8.88 W AC 24V: Max. 17 W PoE: Max. 10 W
Dimensions	155 (D) x 70 (W) x 61 (H) mm (w/o lens) 210 (D) x 70 (W) x 66 (H) mm (w/ lens)

Weight	680 g (w/o lens)
	790 g (w/ lens)
Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL/CUL, BIS, BSMI
Operating Temperature	Start Temperature: 0°C ~ 50°C (32°F ~ 122°F)
	Working temperature: -10°C ~ 60°C (14°F ~ 140°F)
Humidity	90% (non-condensing)

System Requirements

Operating System	Microsoft Windows 10/8/7
	Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above
	Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above

Included Accessories

Packing Contents	Quick installation guide, screw pack, lens

DORI (EN 62676-4 Standard)

Detection (25PPM/ 8PPF)	Wide: 52.7 m (172.9 ft)
	Tele: 145.7 m (478 ft)
Observation (63PPM/ 19PPF)	Wide: 20.9 m (68.5 ft)
	Tele: 57.8 m (189.6 ft)
Recognition (125PPM/ 38PPF)	Wide: 10.5 m (34.4 ft)
	Tele: 29.1 m (95.4 ft)
Identification (250PPM/ 76PPF)	Wide: 5.3 m (17.3 ft)
	Tele: 14.6 m (47.9 ft)

VIVOTEK