



V Series

FD9189-HT-V2

5MP Indoor Dome AI Camera



Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	8 GB
RAM	1 GB

Camera Specifications

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f = 2.8 ~ 10 mm
Aperture	F1.8(W) ~ F2.74(T)
Iris Type	Fixed Iris
Field of View	95.0° ~ 41.0° (Horizontal) 69.0° ~ 31.0° (Vertical) 127.0° ~ 51.0° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR, IR LED*4
Minimum Illumination	0.06 lux @ F1.8 (Color) 0.01 lux @ F1.8 (B/W) 0 lux with IR illumination on
Pan Range	>350°
Tilt Range	80°
Rotation Range	±175°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)

Storage	Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)
Built-in Installation Aids	Remote focus, Remote zoom

Video	
Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (5MP WDR on) 30 fps @ 2560x1440 (4MP WDR on) 60 fps @ 1920x1080 (2MP WDR off) encode mode: mode 0 for all
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	>55 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III
Image Settings	<p>General settings video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings</p> <p>Illuminators illuminators, anti-overexposure</p> <p>Image settings white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS (built-in gyro sensor), scene mode (auto, deblur)</p> <p>Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR</p> <p>Focus zoom, focus</p> <p>Privacy mask Scheduled profile settings</p>

Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726, MPEG-2 AAC-LC
Interface	Built-in microphone
Effective Range	5 meters

Network	
Users	Live viewing for up to 10 clients
Security	Access list, Account block, Audit log, Session timeout, Configurable password strength protection, Digest authentication, CSRF protection, HTTPS, IEEE 802.1x, Secure boot, Signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack 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, TCP/IP, TLS 1.2, UDP, UPnP
Interface	10BASE-T/100BASE-TX 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 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) Human / Vehicle Bestshot Path Extraction
Applications	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.
AI-powered Image Enhancement	Smart IR III

Solution Integration	
VADP Package	Trend Micro IoT Security (3-year free trial)
Video Motion Detection	Motion Detection (Five-window video motion detection)

Alarm and Event	
Event Trigger	Motion detection, Camera tampering detection, Audio detection, Manual trigger, Periodical trigger, System boot, Recording notification, SD card life expectancy, Shock detection, Cybersecurity events (brute force attack event, cyberattack event)
Event Action	Event notification via email, HTTP, FTP/SFTP, NAS server, SD card, camera link File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General	
Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max: 9.7W (IR on) Max: 7.3W (IR off)
Dimensions	130 (D) x 95 (H) mm
Weight	355 g
Certifications	EMC CE (EN 55032, EN 55024 Class B, EN 50121-4), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B) Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471) IA BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F) (IR off) -10°C ~ 45°C (14°F ~ 113°F) (IR on)
Humidity	90% RH (non-condensing)
Warranty	60 months

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

Included Accessories	
Packing Contents	Quick installation guide, alignment sticker, screw pack

DORI (EN 62676-4 Standard)	
Detection (25PPM/ 8PPF)	Wide: 65.8 m (215.9 ft) Tele: 140.5 m (461.0 ft)
Observation (63PPM/ 19PPF)	Wide: 26.1 m (85.6 ft) Tele: 55.8 m (183.1 ft)
Recognition (125PPM/ 38PPF)	Wide: 13.2 m (43.3 ft) Tele: 28.1 m (92.2 ft)
Identification (250PPM/ 76PPF)	Wide: 6.6 m (21.7 ft) Tele: 14.0 m (45.9 ft)