FD9167-HT-v2



Technical Specifications

System Information

Model	FD9167-HT-v2
CPU	Multimedia SoC (System-on-Chip)
Flash	8 GB
RAM	1 GB

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f = 2.7 ~ 13.5 mm
Aperture	F1.4 ~ F2.8
Auto-iris	P-iris
Field of View	105° ~ 33° (Horizontal) 55° ~ 18° (Vertical) 126° ~ 37° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*4
Minimum Illumination	0.035 lux @ F1.4 (Color) 0.001 lux @ F1.4 (B/W) 0 lux with IR illumination on
Pan Range	±175°
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 slot and recording to network-attached storage (NAS)

Built-in Installation Aids	Remote focus, remote zoom, Micro USB* *Requires Wi-Fi dongle and Micro B converter

Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	53 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and 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, 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 (Full duplex)
Audio Compression	G.711, G.726
Audio Interface	Built-in microphone External microphone Input External line output

Network

Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS , IEEE 802.1x, password protection, secure boot, 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/SFTP, 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	Ethernet 10 Base-T/100 Base-TX (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

Solution Integration

Smart Motion Detection	Five-window video motion detection, people detection, time filter
Smart VCA	Including intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection *Please access https://license.vivotek.com/ to get the free trial license.
VADP Package	Trend Micro IoT Security (3-year free trial), Stratocast, Deep Learning VCA (Smart Motion Detection, Smart VCA)

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
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

Connectors	Default I/O RJ-45 cable connector for 10/100 Mbps PoE network connection Audio line input Audio line output DC 12V power input Digital input *1 Digital output *1 (12V, 50mA) Micro USB Module I/O* Digital input *1 Digital output *1 (12V, 50mA) AC 24V power input *Requires extension I/O module kit
LED Indicator	System power and status indicator

Power Input	AC 24V*, DC 12V, IEEE 802.3af PoE Class 0 (Power Redundancy) *Requires extension I/O module kit
Power Consumption	PoE: Max. 9 W DC12V: Max. 9 W AC24V: Max. 9 W
Dimensions	ø 173.56 x 122.55 mm
Weight	0.99 kg
Certifications	EMC: CE (EN 55032 Class B, EN 55024, 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); Environment: IP54 (IEC 60529); 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	36 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, L-shaped wrench, screw pack, waterproof accessory pack, conduit bracket, I/O cable

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