

# FD9189-HT

Fixed Dome Network Camera



5MP 30 fps • 2MP 60 fps • H.265 • 30M IR • WDR Pro • SNV • Smart Stream III

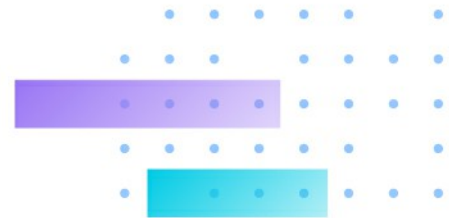
## Technical Specifications

### System Information

Model	FD9189-HT
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB

### Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f = 3.7 ~ 7.7 mm
Aperture	F1.9 ~ F2.9
Iris Type	Fixed iris
Field of View	80° ~ 38° (Horizontal) 60° ~ 29° (Vertical) 101° ~ 48° (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 30 meters with Smart IR, IR LED*4
Minimum Illumination	0.06 lux @ F1.9 (Color) 0.01 lux @ F1.9 (B/W) 0 lux with IR illumination on
Pan Range	353°
Tilt Range	80°
Rotation Range	350°



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 focus, remote zoom
<b>Video</b>	
Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080
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 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, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control, AE speed adjustment, WDR; Focus (FD9189-HT): zoom, focus; Privacy mask; Scheduled profile settings
<b>Audio</b>	
Audio Capability	One-way Audio
Audio Compression	G.711, G.726
Audio Interface	Built-in microphone
Effective Range	5 meters
<b>Network</b>	
Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS , IEEE 802.1x, Password protection, 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, TCP/IP, TLS 1.2, UDP, UPnP
Interface	10 Base-T/100 Base-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 <a href="http://www.onvif.org">www.onvif.org</a>
<b>Solution Integration</b>	
Smart Motion Detection	Five-window video motion detection, people detection, time filter
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection
VCA	Standard VCA (optional) *Including line crossing detection, field detection, loitering detection
VADP Package	Deep Learning VCA (*Smart Motion Detection, Smart VCA), Trend Micro IoT Security (3-year free trial) *Smart Motion Detection is only for FD9189-H, FD9189-HT.
<b>Alarm and Event</b>	
Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
Event Action	Event notification via email, HTTP, SMTP, FTP, NAS server and SD card File upload via email, HTTP, SMTP, FTP, NAS server and SD card
<b>General</b>	
Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 8.7 W (IR on) Max. 5.7 W (IR off)
Dimensions	Ø 130 x 95 mm
Weight	360 g



Certifications	EMC: CE (EN 55032 Class B, EN 55024), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR 32), 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) for FD9189-H
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90%
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, alignment sticker, screw pack

