VIVOTEK

V series FD9167-HT
Fixed Dome Network Camera

2MP 30fps • SNV • WDR Pro • Remote Focus • Smart Stream III • Smart IR II • 30M IR • PIR

The FD9167-HT is the new professional indoor IR dome network camera from VIVOTEK, equipped with a full HD sensor capable of 1920x1080 resolution at 30 fps. With the most updated VIVOTEK SNV and WDR Pro technology, the FD9167-HT is capable of capturing the highest quality images in both low light and high contrast environments.

The FD9167-HT also offers great image in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9167-HT IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, reduces IR hotspots, and increases the IR effective range up to 30 meters.

Additionally, the FD9167-HT employs VIVOTEK's Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%* while still maintaining excellent image quality compared to traditional H.264 without smart streaming. Furthermore, the VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to add customized programs for various applications and user scenarios. The FD9167-HT also includes a PIR sensor as well as a built-in microphone, enabling further detection of unexpected events.
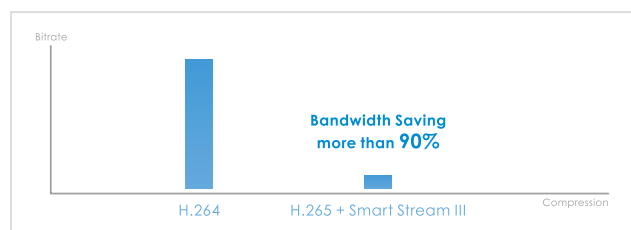
* Depending on scenes

Key Features

- 30 fps @ 1920x1080
- H.265 Compression Technology
- 2.8 ~ 12 mm, Remote Focus, P-iris Lens
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- IR Illuminators up to 30M with Smart IR II
- Two-way Audio
- 3D Noise Reduction for Low-light Conditions
- Built-in MicroSD/SDHC/SDXC Card Slot
- Trend Micro IoT Security within Standard Warranty Period

Without WDR Pro | With WDR Pro

Bitrate

Bandwidth Saving more than 90%

H.264 | H.265 + Smart Stream III | Compression

H.265 + Smart Stream III, Ultra-low Bandwidth

Technical Specifications

Model	FD9167-HT

System Information

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

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 2.8 ~ 12 mm
Aperture	F1.4 ~ 2.8
Auto-iris	P-iris
Field of View	33° ~ 97° (Horizontal) 19° ~ 53° (Vertical) 38° ~ 114° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.07 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W) 0 Lux with IR illumination on
Pan Range	350°
Tilt Range	80°
Rotation Range	180°
Pan/Tilt/Zoom Functionalities	ePTZ:48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR II, IR LED*4
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	58 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream III

Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, video rotation, 3DNR, DIS, HLC

Audio

Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	Built-in Mic External Mic input External line output
Effective Range	5 meters

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, CIFS/SMB, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL/ TLS
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	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card

General

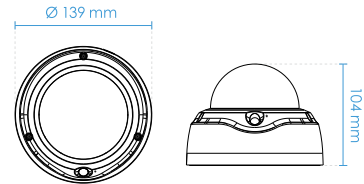|	
Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection Audio Mic in Audio line out DC 12V Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	DC 12V IEEE 802.3af PoE Class 0
Power Consumption	Max. 10 W
Dimensions	Ø 139 x 104 mm
Weight	478 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL

Technical Specifications

Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

Others	Quick installation guide, warranty card, screw pack, alignment sticker

Dimensions

Ø 139 mm

104 mm

Compatible Accessories

Mounting Kits

AM-21A
L-shape Bracket

AM-514
Adapting Plate