



# FD9187-HT

Fixed Dome Network Camera



5MP 30fps • 2MP 60fps • SNV • WDR Pro •  
Smart Stream III • Smart IR II • 50M IR

VIVOTEK FD9187-HT is indoor dome network camera equipped with a full HD sensor enabling resolution of 2560 x 1944 at 30 fps. And FD9187-HT also supports standard 1920x1080 resolution at 60 frames per second. Featuring VIVOTEK SNV and WDR Pro technology, FD9187-HT is capable of capturing high quality image whether in high contrast or low light environment.

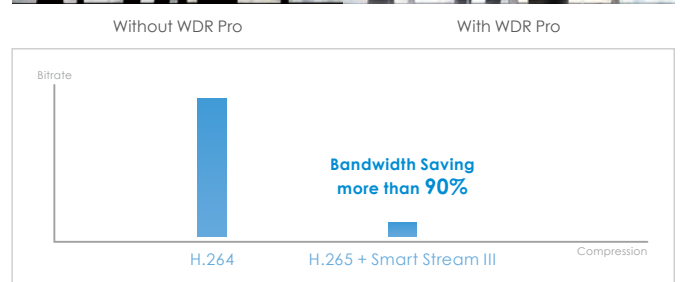
The FD9187-HT offers remote focus lens for different user scenario. IR illuminators are equipped with 50 meter effective range for better night visibility. For indoor applications, PIR sensor is built-in to detect unexpected events.

Employing VIVOTEK's Smart Stream III technology and H.265 codec support, the FD9187-HT reduces bandwidth up to 90%\* while keeping great image quality. Additionally, VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to add customized application for various application and user scenarios.

\* Depending on scenes

## Key Features

- 30fps @ 1920x2560, 60 fps @ 1920x1080
- H.265 Compression Technology
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Built-in IR Illuminators, Effective up to 50 Meters
- Smart IR II Technology to Avoid Overexposure
- Smart Motion Detection to Reduce False Alarms
- Trend Micro IoT Security within Standard Warranty Period
- Built-in PIR Sensor for Human Detection



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

## Technical Specifications

|                               |  |
|-------------------------------|--|
| Model                         | FD9187-HT  |
| <b>System Information</b>     |  |
| CPU                           | Multimedia SoC (System-on-Chip)  |
| Flash                         | 256MB  |
| RAM                           | 1GB  |
| <b>Camera Features</b>        |  |
| Image Sensor                  | 1/2.7" Progressive CMOS  |
| Maximum Resolution            | 2560x1920 (5MP)  |
| Lens Type                     | Vari-focal, Remote Focus   |
| Focal Length                  | f= 2.7 ~ 13.5 mm   |
| Aperture                      | F1.4 ~ F2.8  |
| Auto-iris                     | P-iris   |
| Field of View                 | 30 ~ 100° (Horizontal)<br>23 ~ 72° (Vertical)<br>38 ~ 135° (Diagonal)  |
| Shutter Time                  | 1/5 sec. to 1/32,000 sec.  |
| WDR Technology                | WDR Pro  |
| Day/Night                     | Yes  |
| Removable IR-cut Filter       | Yes  |
| Minimum Illumination          | 0.06 Lux @ F1.4 (Color)<br><0.01 lux @ F1.4 (B/W)<br>0 Lux with IR illumination on   |
| Pan Range                     | 350°   |
| Tilt Range                    | 80°  |
| Rotation Range                | 180°   |
| Pan/Tilt/Zoom Functionalities | ePTZ:48x digital zoom<br>(4x on IE plug-in, 12x built-in)  |
| IR Illuminators               | Built-in IR illuminators up to 50 meters with Smart IR II, IR LED*4  |
| On-board Storage              | Slot type: MicroSD/SDHC/SDXC card slot<br>Seamless Recording   |
| <b>Video</b>                  |  |
| Compression                   | H.265, H.264, MJPEG  |
| Maximum Frame Rate            | 30 fps @ 2560x1920<br>60 fps @ 1920x1080   |
| Maximum Streams               | 3 simultaneous streams   |
| S/N Ratio                     | 52 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;<br>Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, video rotation, 3DNR, DIS, HLC |
| <b>Audio</b>                  |  |
| Audio Capability              | Two-way Audio (full duplex)  |
| Compression                   | G.711, G.726   |
| Interface                     | Built-in microphone<br>External microphone input<br>External line output   |
| <b>Network</b>                |  |
| 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)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.  |
| ONVIF                         | Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>   |
| <b>Intelligent Video</b>      |  |
| Smart Motion Detection        | Five-window video motion detection, human detection, time filter   |
| VCA                           | Standard VCA (optional)<br>*Including line crossing detection, field detection, loitering detection  |
| VADP Package                  | Genetec package, Trend Micro IoT Security, Stratocast, Smart Motion Detection  |
| <b>Alarm and Event</b>        |  |
| Alarm Triggers                | Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, PIR detection, MicroSD card life expectancy   |
| Alarm Events                  | Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card<br>File upload via HTTP, SMTP, FTP, NAS server and MicroSD card  |
| <b>General</b>                |  |
| Connectors                    | RJ-45 cable connector for 10/100Mbps Network/PoE connection<br>Audio line input<br>Audio line output<br>AC 24V power input (optional)<br>DC 12V power input<br>Digital input *1<br>Digital output *1   |
| LED Indicator                 | System power and status indicator  |
| Power Input                   | IEEE 802.3af PoE Class 0<br>DC 12V<br>AC 24V (optional)<br>(Redundant Power)   |
| Power Consumption             | PoE: Max. 11.4 W<br>DC 12V: Max. 10.4 W<br>AC 24V: Max. 10.56 W  |
| Dimensions                    | 139 x 104 mm   |
| Weight                        | 538 g  |
| Safety Certifications         | CE, FCC Class B, UL, LVD, VCCI, C-Tick   |

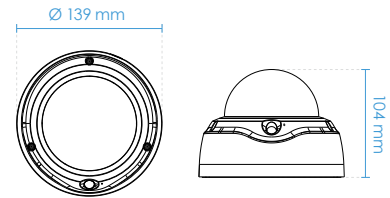
## Technical Specifications

|                            |   |
|----------------------------|---|
| Operating Temperature      | Starting Temperature:<br>0°C ~ 45°C (32°F ~ 113°F)<br>Working Temperature:<br>-10°C ~ 45°C (14°F ~ 113°F) |
| Humidity                   | 90%   |
| Warranty                   | 36 months   |
| <b>System Requirements</b> |   |
| Operating System           | Microsoft Windows 8/7   |
| Web Browser                | Mozilla Firefox 7~43 (streaming only)<br>Internet Explorer 10/11  |
| Other Players              | VLC: 1.1.11 or above<br>QuickTime: 7 or above   |

## Included Accessories

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

## Dimensions



## Compatible Accessories

### Mounting Kits



AM-21A  
L-shape Bracket



AM-514  
Adapting Plate