



- FD9189-H**
- FD9189-HM**
- FD9189-HT**

Fixed Dome Network Camera



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

VIVOTEK's FD9189 series is a H.265 indoor dome network camera equipped with a 5-Megapixel sensor, enabling resolution of 2560 x1920 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, the FD9189 series is capable of capturing high-quality imagery in both high-contrast and low-light environments.

The FD9189 series offers various lens options for different user scenarios: fixed focus, manual focus, and remote focus lenses. The camera is equipped with IR illuminators with a 30-meter effective range for better night visibility.

The FD9189 series comes with VIVOTEK's Smart Stream III technology and H.265 codec support. It is capable of reducing bandwidth consumption to 90%* while maintaining supreme image quality. Additionally, VIVOTEK's VADP (VIVOTEK Application Development Platform) allows users to customize applications for the ever-expanding number of user scenarios in the diversified surveillance market.

* Depending on scenes

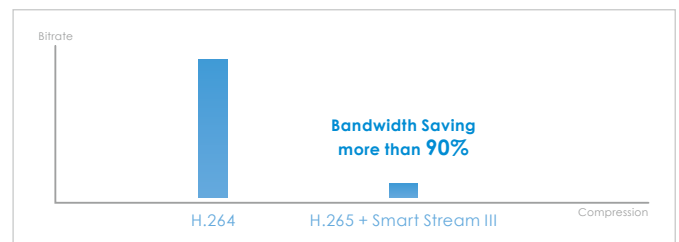
Key Features

- 30 fps @ 2560x1920, 60 fps @ 1920x1080 (WDR Pro on)
- H.265 Compression Technology
- Smart Stream III to Optimize Bandwidth Efficiency
- WDR Pro (120 dB) for Unparalleled Visibility in Extremely Bright and Dark Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- Built-in IR Illuminators, effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- Trend Micro IoT Security within Standard Warranty Period
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



Without WDR Pro

With WDR Pro



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



Technical Specifications

| | | | |
|-------------------------------|--|--------------------------|--|
| Model | FD9189-H FD9189-HM FD9189-HT | On-board Storage | Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording |
| System Information | | | |
| CPU | Multimedia SoC (System-on-Chip) | Video | |
| Flash | 128MB | Compression | H.265, H.264, MJPEG |
| RAM | 512MB | Maximum Frame Rate | 30 fps @ 2560x1920 60 fps @ 1920x1080 |
| Camera Features | | | |
| Image Sensor | 1/2.7" Progressive CMOS | Maximum Streams | 3 simultaneous streams |
| Max. Resolution | 2560x1920 (5MP) | S/N Ratio | FD9189-H: 54 dB FD9189-HM: 51 dB FD9189-HT: 55 dB |
| Lens Type | FD9189-H: Fixed-focal FD9189-HM: Vari-focal, Manual Focus FD9189-HT: Motorized, Vari-focal, Remote Focus | Dynamic Range | 120 dB |
| Focal Length | FD9189-H: f = 2.8 mm FD9189-HM: f = 2.8 ~ 12 mm FD9189-HT: f = 3.7 ~ 7.7 mm | Video Streaming | Adjustable resolution, quality and bitrate, Smart Stream III |
| Aperture | FD9189-H: F2.0 FD9189-HM: F1.85 ~ F2.9 FD9189-HT: F1.9 ~ F2.9 | 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, HLC, defog, 3DNR, DIS, video rotation |
| Iris type | FD9189-H/HT: Fixed-iris FD9189-HM: DC-iris | Audio | |
| Field of View | FD9189-H: 103° (Horizontal) 76° (Vertical) 134° (Diagonal) FD9189-HM: 30° ~ 100° (Horizontal) 23° ~ 72° (Vertical) 38° ~ 135° (Diagonal) FD9189-HT: 38° ~ 80° (Horizontal) 29° ~ 60° (Vertical) 48° ~ 101° (Diagonal) | Audio Capability | One-way Audio |
| Shutter Time | 1/5 sec. to 1/32,000 sec. | Compression | G.711, G.726 |
| WDR Technology | WDR Pro | Interface | Built-in microphone |
| Day/Night | Yes | Effective Range | 5 meters |
| Removable IR-cut filter | Yes | Network | |
| IR Illuminators | Built-in IR illuminators, effective up to 30 meters with Smart IR, IR LED*4 | Users | Live viewing for up to 10 clients |
| Minimum Illumination | FD9189-H: 0.06 Lux @ F2.0 (Color) 0.01 Lux @ F2.0 (B/W) 0 Lux with IR illumination on FD9189-HM: 0.06 Lux @ F1.85 (Color) 0.01 Lux @ F1.85 (B/W) 0 Lux with IR illumination on FD9189-HT: 0.06 Lux @ F1.9 (Color) 0.01 Lux @ F1.9 (B/W) 0 Lux with IR illumination on | Protocols | 802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP |
| Pan Range | 353° | 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. |
| Tilt Range | 80° | ONVIF | Supported, specification available at www.onvif.org |
| Rotation Range | 350° | Intelligent Video | |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in) | Smart Motion Detection | FD9189-H/HT: Five-window video motion detection, people detection, time filter |
| | | Video Motion Detection | FD9189-HM: Five-window video motion detection |
| | | VCA | Standard VCA (optional) *Including line crossing detection, field detection, loitering detection |
| | | VADP Package | Trend Micro IoT Security, Smart Motion Detection*, Stratocast(support) *Smart Motion Detection is only for FD9189-H, FD9189-HT. |
| | | Alarm and Event | |

Technical Specifications

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|-----------------------|--|
| Alarm Triggers | Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, shock detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event) |
| Alarm Events | Event notification via email, HTTP, SMTP, FTP, NAS server and SD card File upload via email, HTTP, FTP, NAS server, SD card |
| General | |
| Connectors | RJ-45 cable connector for Network 10/100 Mbps PoE connection*1 |
| LED Indicator | System power and status indicator |
| Power Input | IEEE 802.3af PoE Class 0 |
| Power Consumption | FD9189-H: Max. 8.7 W (IR on) Max. 5.7 W (IR off) FD9189-HM: Max. 8.3 W (IR on) Max. 5.3 W (IR off) FD9189-HT: Max. 8.7 W (IR on) Max. 5.7 W (IR off) |
| Dimensions | Ø 130 x 95.3 mm |
| Weight | 360 g |
| Safety Certifications | CE, FCC Class B, UL, LVD, VCCI, C-Tick |
| Operating Temperature | Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F) |

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|----------|-----------|
| Humidity | 90% |
| Warranty | 36 months |

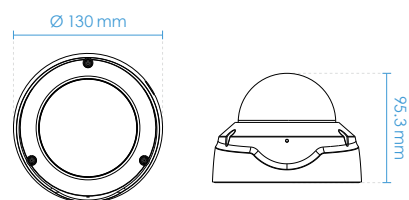
System Requirements

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|------------------|--|
| Operating System | Microsoft Windows 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 QuickTime: 7 or above |

Included Accessories

| | |
|--------|---|
| Others | Quick installation guide, alignment sticker, screw pack |
|--------|---|

Dimensions



Compatible Accessories

Mounting Kits

| | | |
|---|--|--|
|  <p>AM-21A L-shape Bracket</p> |  <p>AM-51D Adapting Plate</p> |  <p>AM-528 Mounting Adaptor</p> |
|---|--|--|

Ordering Information

| Model | Description | Part Number |
|------------|---|-------------|
| FD9189-H | 5MP, 30fps, 2.8mm, 30M IR, Smart Stream III, -10°C ~ 50°C | 100207100G |
| FD9189-HM* | 5MP, 30fps, 2.8~12mm, 30M IR, Smart Stream III, -10°C ~ 50°C | 100207200G |
| FD9189-HT* | 5MP, 30fps, 3.7~7.7mm, 30M IR, Smart Stream III, -10°C ~ 50°C | 100207300G |

*The stock levels may vary by region. Please contact your local sales representative for further inquiry.



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