

FD8169

Fixed Dome Network Camera



2MP · 15M IR · 3DNR

VIVOTEK FD8169 is an easy-to-use fixed dome network camera specifically designed for indoor security applications with a compact, stylish exterior. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the FD8169 is an all-in-one camera capable of capturing high quality and high resolution video up to 2 Megapixel.

In order to adapt to constantly changing lighting conditions, the FD8169 features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. Featuring 3D Noise Reduction Technology, it enables the FD8169 to capture clear, polished video under low-light conditions, which also helps to reduce bandwidth from sensor noise.

The FD8169 supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, and MJPEG compatibility both included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms. Thereby it further optimizes bandwidth and storage efficiency.

Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the FD8169 is the ideal solution for your indoor surveillance needs.

Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- 3D Noise Reduction
- Smart IR Technology to Avoid Overexposure
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments

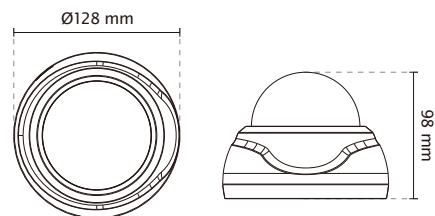


Technical Specifications

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|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | FD8169 (f = 2.8 mm) FD8169-F3 (f = 3.6 mm) |
| System Information | |
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 128MB |
| RAM | 256MB |
| Camera Features | |
| Image Sensor | 1/2.7" Progressive CMOS |
| Maximum Resolution | 1920x1080 (2MP) |
| Lens Type | Fixed-focal |
| Focal Length | f = 2.8 mm f = 3.6 mm (FD8169-F3) |
| Aperture | F2.0 |
| Field of View | FD8169: 105° (Horizontal) 87° (Vertical) 135° (Diagonal) FD8169-F3: 93° (Horizontal) 50° (Vertical) 116° (Diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| WDR Technology | WDR Enhanced |
| Day/Night | Removable IR-cut filter for day & night function |
| Minimum Illumination | 1.22 Lux @ F2.0 (Color) 0.008 Lux @ F2.0 (B/W) 0 Lux @ IR LED ON |
| Pan Range | 348° |
| Tilt Range | 70° |
| Rotation Range | 345° |
| 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 15 meters with Smart IR LED*6 |
| On-board Storage | MicroSD/SDHC/SDXC card slot |
| Video | |
| Compression | H.264 & MJPEG |
| Maximum Frame Rate | 30 fps @ 1920x1080 In both compression modes |
| Maximum Streams | 3 simultaneous streams |
| S/N Ratio | Above 53 dB |
| Dynamic Range | 54.5 dB |
| Video Streaming | Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving |
| Image Settings | Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3D Noise Reduction |
| Network | |
| Users | Live viewing for up to 10 clients |
| Protocols | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP |
| Interface | 10Base-T/100 BaseTX Ethernet (RJ-45) |
| ONVIF | Supported, specification available at www.onvif.org |

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Intelligent Video | |
| Video Motion Detection | Triple-window video motion detection |
| Alarm and Event | |
| Alarm Triggers | Video motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection |
| Alarm Events | Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server |
| General | |
| Connectors | RJ-45 for Network/PoE connection |
| LED Indicator | System power and status indicator |
| Power Input | DC 12V IEEE 802.3af PoE Class 3 |
| Power Consumption | Max: 6.5 W (DC12V) Max: 7.5 W (PoE) |
| Dimensions | Ø: 128 mm x 98 mm |
| Weight | Net: 435 g |
| Safety Certifications | CE, LVD, FCC Class B, VCCI, C-Tick |
| Operating Temperature | Starting Temperature: 0°C ~ 50°C Working Temperature: -10°C ~ 50°C |
| Warranty | 24 months |
| System Requirements | |
| Operating System | Microsoft Windows 7/Vista/XP/2000 |
| Web Browser | Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9 |
| Other Players | VLC: 1.1.11 or above QuickTime: 7 or above |
| Included Accessories | |
| CD | User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software |
| Others | Quick installation guide, warranty card, alignment sticker, screw pack |

Dimensions



Compatible Accessories

Mounting Kits



AM-51A
Mounting Adapter



AM-520
Mounting Adapter



AM-214
L shape bracket



AM-712
Conduit Box

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VIVOTEK INC.
6F, No.192, Lien-Cheng Rd., Chung-Ho,
New Taipei City, 235, Taiwan, R.O.C.
T: +886-2-82455282 F: +886-2-82455532
E: sales@vivotek.com

VIVOTEK USA
2050 Ringwood Avenue,
San Jose, CA 95131
T: 408-773-8686 F: 408-773-8298
E: salesusa@vivotek.com

VIVOTEK Europe
Randstad 22-133, 1316BW Almere,
The Netherlands
T: +31(0)36-5298-434
E: saleseurope@vivotek.com

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