# VIVOTEK
### BUILT WITH RELIABILITY

# Fixed Dome Network Camera
# FD8151V

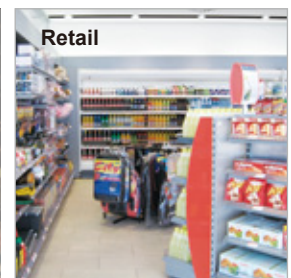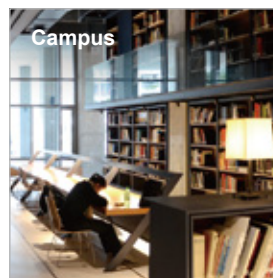## 1.3MP • Compact Size • Vandal-proof • Day & Night

VIVOTEK FD8151V is the latest compact fixed dome camera model suitable for a variety of applications. With mounting as easy as one-two-three and Power over Ethernet (PoE) functionality, setup time is completed in less than 120 seconds, making installation quick and easy. The unit is equipped with a vandal-proof housing and IR illuminators up to 5 meters, making it a feature-rich at a competitive price.

The FD8151V features a 1.3-Megapixel sensor enabling viewing resolution of 1280x1024 at 30 fps and also supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MJPEG compatibility also included, video streams can also be transmitted in either of these formats for versatile applications.

Designed to accept fixed lenses of various focal lengths, FD8151V can be used in various environments, including but not limited to: offices, elevators, campus, chain stores, boutique stores, prisons, and health care facilities. At a size of only 100 mm in diameter, VIVOTEK FD8151V is truly an all-in-one surveillance solution that meets a wide variety of needs for indoor surveillance. The package also includes VIVOTEK's 32-channel recording software. With all this and more, the FD8151V is the ideal solution for your surveillance needs.

## Features

- 1.3-Megapixel CMOS Sensor
- Compact Design
- Real-time H.264 and MJPEG Compression (Dual Codec)
- 30 fps @ 1280x1024
- Supreme Night Visibility
- Removable IR-cut Filter for Day and Night Function
- Built-in IR Illuminators, Effective up to 5 Meters
- Built-in IEEE 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- Vandal-proof IK10-rated Housing
- Selectable Lens (f = 2.5 mm or 4 mm)

Campus

Retail

Prison

Elevator

## Technical Specifications

| | |
|---|---|
| Models | FD8151V-F2 (Lens f = 2.5 mm)<br>FD8151V-F4 (Lens f = 4.0 mm) |

### System Information

| | |
|---|---|
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 16 MB |
| RAM | 256 MB |

### Camera Features

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|---|---|
| Image Sensor | 1/3" Progressive CMOS |
| Maximum Resolution | 1280x1024 |
| Lens Type | Fixed-focal |
| Focal Length | f = 2.5 mm (FD8151V-F2)<br>f = 4 mm (FD8151V-F4) |
| Aperture | F2.0 (FD8151V-F2)<br>F1.5 (FD8151V-F4) |
| Auto-iris | Fixed-iris |
| Field of View | FD8151V-F2:<br>110° (horizontal)<br>86° (vertical)<br>142° (diagonal)<br>FD8151V-F4:<br>64° (horizontal)<br>53° (vertical)<br>80° (diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| Day/Night | Removable IR-cut filter for day & night function |
| Minimum Illumination | FD8151V-F2:<br>0.16 Lux, 50 IRE (Color)<br>0.001 Lux, 50 IRE (B/W)<br>FD8151V-F4:<br>0.1 Lux, 50 IRE (Color)<br>0.001 Lux, 50 IRE (B/W) |
| Pan/tilt/zoom<br>Functionalities | ePTZ:<br>48x digital zoom (4x on IE plug-in, 12x built-in) |
| On-board Storage | MicroSD/SDHC/SDXC card slot |

### Video

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|---|---|
| Compression | H.264 & MJPEG |
| Maximum Frame Rate | H.264: 30 fps at 1280x1024<br>MJPEG: 30 fps at 1280x1024 |
| Maximum Streams | 2 simultaneous streams |
| S/N Ratio | Above 58 dB |
| Dynamic Range | 67 dB |
| Video Streaming | Adjustable resolution, quality and bitrate<br>Configurable video cropping for bandwidth saving |
| Image Settings | Adjustable image size, quality and bit rate<br>Time stamp, text overlay, flip & mirror<br>Configurable brightness, contrast, saturation,<br>sharpness, white balance, exposure control, gain,<br>backlight compensation, privacy masks<br>Scheduled profile settings |

### Audio

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|---|---|
| Audio Capability | Audio input |
| Compression | G.711 |
| Interface | Built-in Microphone |

### Network

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|---|---|
| Users | Live viewing for up to 10 clients |
| Protocols | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP,<br>RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP,<br>DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X |
| Interface | 10Base-T/100 BaseTX Ethernet (RJ-45) |
| ONVIF | Supported, specification available at www.onvif.org |

### Intelligent Video

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|---|---|
| Video Motion Detection | Triple-window video motion detection |

### Alarm and Event

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|---|---|
| Alarm Triggers | Video motion detection, manual trigger, digital input,<br>periodical trigger, system boot, recording notification,<br>camera tampering detection |
| Alarm Events | Event notification using HTTP, SMTP, FTP and NAS<br>server<br>File upload via HTTP, SMTP, FTP and NAS server |

### General

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|---|---|
| Connectors | RJ-45 for Network/PoE connection<br>Digital input*1 |
| LED Indicator | System power and status indicator |
| Power Input | IEEE 802.3af PoE Class 2 |
| Power Consumption | Max. 6.5W |
| Dimensions | Ø: 100 mm x 55 mm |
| Weight | Net: 996 g |
| Casing | Vandal-proof IK10-rated metal housing |
| Safety Certifications | CE, LVD, FCC Class B, VCCI, C-Tick |
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F) |
| Warranty | 24 months |

### System Requirements

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|---|---|
| Operating System | Microsoft Windows 7/Vista/XP/2000 |
| Web Browser | Mozilla Firefox 7~10 (streaming only)<br>Internet Explorer 7.x or 8.x |
| Other Players | VLC: 1.1.11 or above<br>QuickTime: 7 or above |

### Included Accessories

| | |
|---|---|
| CD | User's manual, quick installation guide, Installation<br>Wizard 2, ST7501 32-channel recording software |
| Others | Quick installation guide, warranty card, screw pack |

## Dimensions



## Compatible Accessories

### PoE Kits



**MS-POE-IJAF**
PoE injector, 802.3af compliant

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