



Fixed Dome Network Camera FD8371EV



3MP • 20M IR • Smart Stream •
Smart Focus System • IP66 • IK10

VIVOTEK FD8371EV is a professional outdoor dome network camera offering 30 fps @ 3-Megapixel or 60 fps @ 1080p resolution with superb image quality.

As a professional day/night camera, FD8371EV features a Smart IR technology which provides the excellent ability of anti-overexposure and noise reduction to adjust the IR lighting intensity instantly based on environmental lighting change.

Featuring 3D Noise Reduction Technology, it enables the FD8371EV to capture clear, polished video under low-light conditions, which also helps to reduce bandwidth from sensor noise. By combining with WDR Enhanced technology, users can identify image details in extremely bright as well as dark environments.

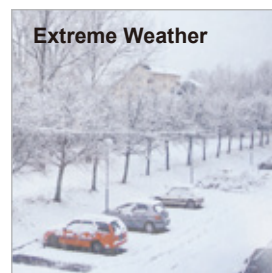
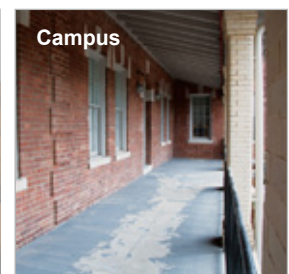
The FD8371EV also features Smart Stream Technology, which can be used to optimize resolution on a desired object or area to maximize bandwidth usage.

The FD8371EV comes with a P-iris lens, which controls the iris with extreme precision with its built-in stepper motor. By using software controls, the lens maintains the iris opening at an optimal level at all times, resulting in superior sharpness and depth of field as well as image quality. For installers, properly adjusting the focus of a megapixel network camera can be difficult due to the image detail. Thus, VIVOTEK has introduced the Smart Focus System to make installation and adjustment easier by allowing for remote focus and zoom adjustment.

The IP66-rated housing is designed to help the camera body withstand rain and dust and high pressure water jets from any direction while IK10-rated housing provide the protection against the vandal act and impact. Additionally, the wide temperature range further enhances the FD8371EV's performance and reliability in extremely cold and warm weather.

Features

- 3-Megapixel CMOS Sensor
- 30 fps @ 2048x1536; 60fps @ 1920x1080
- Motorized, P-iris Lens & DC-iris
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 20 Meters
- Smart IR Technology to Avoid Overexposure
- Smart Stream Optimizes Bandwidth Efficiency
- 3D Noise Reduction
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhanced for Unparalleled Visibility in Extremely Bright or Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
- Weather-proof IP66-rated Housing
- Vandal-proof IK10-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



Technical Specifications

| | | | | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Models | FD8371EV | Intelligent Video | Video Motion Detection | Triple-window video motion detection |
| System Information | | Alarm and Event | Alarm Triggers | Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection |
| CPU | Multimedia SoC (System-on-Chip) | Alarm Events | Alarm Events | Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server |
| Flash | 256 MB | General | | |
| RAM | 512 MB | Smart Focus System | Smart Focus System | Remote focal & focus control Focus assist button and OSD |
| Camera Features | | Connectors | Connectors | RJ-45 cable connector for Network/PoE connection Audio input Audio output AC 24V power input/DC 12V power input Digital input*1 Digital output*1 Analog video output |
| Image Sensor | 1/2.8" Progressive CMOS | LED Indicator | LED Indicator | System power and status indicator |
| Maximum Resolution | 2048x1536 | Power Input | Power Input | 24V AC 12V DC IEEE 802.3af PoE Class 3 |
| Lens Type | Vari-focal, remote focus | Power Consumption | Power Consumption | Max. 28W (DC 12V) Max. 34W (AC 24V) Max. 12.95W (PoE) |
| Focal Length | f = 3 ~ 10mm | Dimensions | Dimensions | Ø: 173 mm x 115 mm |
| Aperture | F1.3 ~ F2.5 | Weight | Weight | Net: 1,240g |
| Auto-iris | P-iris / DC-iris (Reserved) | Casing | Casing | Weather-proof IP66-rated housing Vandal-proof IK10-rated housing |
| Field of View | 32° ~ 99° (horizontal) 24° ~ 72° (vertical) 40° ~ 128° (diagonal) | Safety Certifications | Safety Certifications | CE, LVD, FCC Class A, VCCI, C-Tick, UL, KCC |
| Shutter Time | 1/5 sec. to 1/8000 sec. | Operating Temperature | Operating Temperature | Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F) |
| Physical Adjustment of Camera Angel | Pan: 348°, Tilt: 65°, Rotation: 350° | Warranty | Warranty | 24 months |
| WDR Technology | WDR Enhanced | System Requirements | | |
| Day/Night | Removable IR-cut filter for day & night function Smart IR Technology to Avoid Overexposure | Operating System | Operating System | Microsoft Windows 7/Vista/XP/2000 |
| Minimum Illumination | 0.33 Lux @ F1.3, 50 IRE (Color @1/30 sec) 0.05 Lux @ F1.3, 50 IRE (Color@1/5 sec) 0.001 Lux @ F1.3 50 IRE (B/W) | Web Browser | Web Browser | Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7.x or 8.x |
| Pan/tilt/zoom | ePTZ: | Other Players | Other Players | VLC: 1.1.11 or above Quicktime: 7 or above |
| Functionalities | 48x digital zoom (4x on IE plug-in, 12x built in) | Included Accessories | | |
| IR Illuminators | Built-in IR illuminators, effective up to 20 meters IR LED*4, with Smart IR Technology | CD | CD | User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software |
| On-board Storage | MicroSD/SDHC/SDXC card slot | Others | Others | Quick installation guide, warranty card, sun shield, wall mount bracket, waterproof RJ45 Ethernet enclosure, alignment sticker / desiccant bag, waterproof connector |
| Video | | Dimensions | | |
| Compression | H.264, MJPEG & MPEG-4 | | | |
| Maximum Frame Rate | H.264: 30 fps at 2048x1536 60 fps at 1920x1080 MPEG-4: 30 fps at 2048x1536 50 fps at 1920x1080 MJPEG: 30 fps at 2048x1536 60 fps at 1920x1080 | | | |
| Maximum Streams | 4 simultaneous streams | | | |
| S/N Ratio | 58 dB | | | |
| Dynamic Range | 59 db | | | |
| Video Streaming | Adjustable resolution, quality and bitrate | | | |
| 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 | | | |
| Audio | | | | |
| Audio Capability | Two-way Audio (full duplex) | | | |
| Compression | GSM-AMR, AAC, G.711 | | | |
| Interface | External microphone input and output | | | |
| Network | | | | |
| Users | Live viewing for up to 10 clients | | | |
| Protocols | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X | | | |
| Interface | 10Base-T/100 BaseTX Ethernet (RJ-45) | | | |
| ONVIF | Supported, specification available at www.onvif.org | | | |

Compatible Accessories

Mounting Kits



AM-214
L shape bracket



AM-518
Outdoor Dome Adaptor

PoE Kits



POE-IJ-1748NDN
PoE injector, 802.3af compliant

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