



Fixed Dome Network Camera FD8371V/71EV



3MP • 1080p 60 fps • Smart IR •
Smart Stream • Smart Focus • SNV

VIVOTEK FD8371V/71EV are professional outdoor dome network cameras offering 30 fps @ 3-Megapixel or 60 fps @ 1080p resolution with superb image quality.

As professional day/night cameras, FD8371V/71EV feature 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 FD8371V/71EV 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 FD8371V/71EV also feature Smart Stream Technology, which can be used to optimize resolution on a desired object or area to maximize bandwidth usage.

The FD8371V/71EV come 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.

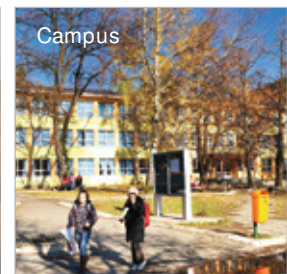
The IP66-rated housing is designed to help the camera body withstand rain and dust and high pressure water jets from any direction while IK10-rated housing provide the protection against the vandal act and impact. Additionally, the wide temperature range further enhances the FD8371EV's performance and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

Features

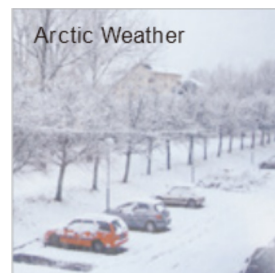
- 3-Megapixel CMOS Sensor
- 30 fps @ 2048x1536; 60fps @ 1920x1080
- Motorized, P-iris Lens & DC-iris
- Built-in IR Illuminators, Effective up to 20 Meters
- Smart IR Technology to Avoid Overexposure
- Smart Stream to Optimize Bandwidth Efficiency
- 3D Noise Reduction for Low-light Conditions
- -50 °C ~ 50 °C Wide Temperature Range for Extreme Weather Conditions (FD8371EV)
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supreme Night Visibility



Desert Area



Campus



Arctic Weather

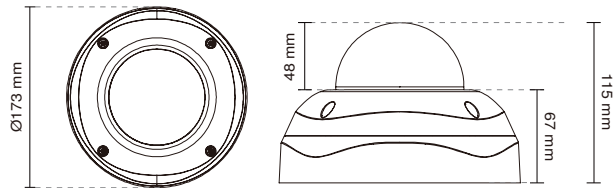


Train Station

Technical Specifications

Model	FD8371V/71EV	Intelligent Video	
System Information		Video Motion Detection	Triple-window video motion detection
CPU	Multimedia SoC (System-on-Chip)	Alarm and Event	
Flash	256 MB	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
RAM	512 MB	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Camera Features		General	
Image Sensor	1/2.8" Progressive CMOS	Smart Focus System	Remote focal & focus control Focus assist button and OSD
Maximum Resolution	2048x1536	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
Lens Type	Vari-focal, remote focus	LED Indicator	System power and status indicator
Focal Length	f = 3 ~ 10mm	Power Input	24V AC 12V DC IEEE 802.3af PoE Class 3
Aperture	F1.3 ~ F2.5	Power Consumption	FD8371V: Max. 10.92 W (DC 12V) Max. 12.25 W (AC 24V) Max. 12.95 W (PoE) FD8371EV: Max. 28 W (DC 12V) Max. 34 W (AC 24V) Max. 12.95 W (PoE)
Auto-iris	P-iris / DC-iris (Reserved)	Dimensions	Ø: 173 mm x 115 mm
Field of View	32° ~ 99° (Horizontal) 24° ~ 72° (Vertical) 40° ~ 128° (Diagonal)	Weight	Net: 1,240 g
Shutter Time	1/5 sec. to 1/8000 sec.	Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing
Physical Adjustment of Camera Angel	Pan: 348°; Tilt: 65°; Rotation: 350°	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL, KCC
WDR Technology	WDR Enhanced	Operating Temperature	FD8371V: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F) FD8371EV: Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) (PoE: -10°C ~ 50°C) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)
Day/Night	Removable IR-cut filter for day & night function Smart IR Technology to Avoid Overexposure	Warranty	24 months
Minimum Illumination	0.1 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	System Requirements	
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Operating System	Microsoft Windows 7/Vista/XP/2000
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*4, with Smart IR Technology	Web Browser	Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7.x or 8.x
On-board Storage	MicroSD/SDHC/SDXC card slot	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Video		Included Accessories	
Compression	H.264, MJPEG & MPEG-4	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
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	Others	Quick installation guide, warranty card, alignment sticker, mounting plate, L-type hex key wrench, desiccant bag, DC connector, screws, hex nut, double-sided Tape, AV cable, waterproof connector, bushing, software CD
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, Smart Stream		
Audio			
Audio Capability	Two-way Audio (full duplex)		
Compression	GSM-AMR, AAC, G.711, G.726		
Interface	External microphone input and output		
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		
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)		
ONVIF	Supported, specification available at www.onvif.org		

Dimensions



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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