



# Fixed Dome Network Camera FD8365EHV



2MP • WDR Pro • Smart IR • 3DNR •  
Smart Focus System • IP66 • IK10

VIVOTEK FD8365EHV is a professional outdoor network dome camera offering 30 fps @ 2-Megapixel resolution with superb image quality.

Featuring the Wide Dynamic Range Technology WDR Pro, it provides improved visibility in the extremely dark & light environment. Combined 3D Noise Reduction Technology, which enables the FD8365EHV to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can identify an increased level of image details in pretty bright as well as dark environments.

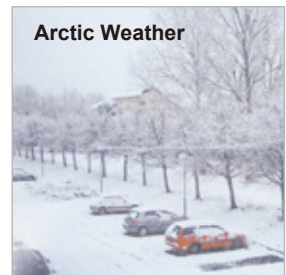
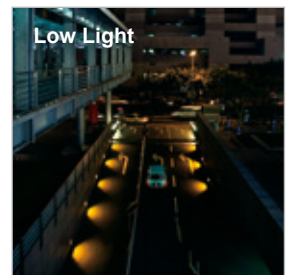
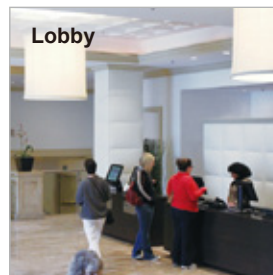
Additionally, as a professional day/night camera, FD8365EHV adopts a Smart IR technology which prevents overexposure and provides noise reduction to adjust the IR lighting intensity instantaneously based on changes in lighting in the ambient environment.

To provide top-notch image quality, FD8365EHV also 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. Furthermore, for installers, properly adjusting the focus of a megapixel network camera can be difficult due to the level of image detail. Thus, FD8365EHV is also designed with VIVOTEK' s Smart Focus System to make installation and adjustment easier by using remote focus and zoom adjustment.

The camera' s IP66-rated housing is designed to help the camera body withstand rain and dust and high pressure water jets from any direction while the IK10-rated vandalproof rating provides protection against the vandalism and impact. Additionally, the wide temperature range further enhances the FD8365EHV's performance and reliability in extremely cold and hot weather.

## Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 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
- 3D Noise Reduction for Low-light Conditions
- WDR Pro (100dB) to Provide Improved Visibility in Extremely Bright or Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing



## Technical Specifications

Model	FD8365EHV
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	384MB
<b>Camera Features</b>	
Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	1920x1080(2MP)
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 3 ~ 10 mm
Aperture	F1.3 ~ F2.5
Auto-iris	P-Iris/DC-iris(Reserved)
Field of View	33° ~ 104° (Horizontal) 19° ~ 56° (Vertical) 39° ~ 121° (Diagonal)
Shutter Time	1/5 sec. to 1/10000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function Smart IR Technology to avoid overexposure
Minimum Illumination	0.42 Lux @ F1.3, 50 IRE (Color) 0.001 Lux @ F1.3, 50 IRE (B/W)
Pan/tilt/zoom	ePTZ:
Functionalities	48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*4, with Smart IR Technology
On-board Storage	MicroSD/SDHC/SDXC card slot
<b>Video</b>	
Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	2 simultaneous streams
S/N Ratio	62db
Dynamic Range	100dB
Video Streaming	Adjustable resolution, quality and bitrate
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, 3D Noise Reduction, smart stream
<b>Audio</b>	
Audio Capability	Two-way audio (full duplex)
Compression	AAC, G.711, G.726
Interface	External microphone input Audio output
<b>Network</b>	
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 <a href="http://www.onvif.org">www.onvif.org</a>

### Intelligent Video

Video Motion Detection Triple-window video motion detection

### Alarm and Event

Alarm Triggers Video motion detection, manual trigger, digital input, 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

Smart Focus System Remote focus

Connectors RJ-45 for Network/PoE connection

Audio input/output

AV output

AC 24V power input

DC 12V power input

Digital input\*1

Digital output\*1

LED Indicator System power and status indicator

Power Input DC12V/AC24V

IEEE 802.3af PoE

Power Consumption DC Max. 25.2W (Heater on) 8W (Heater off)

AC Max. 30.3W (Heater on) 8.8W (Heater off)

PoE Max. 10.6W

Dimensions Ø: 173mm x 115mm

Weight Net: 1215 g

Casing Weather-proof IP66-rated housing

Vandal-proof IK10-rated housing

Safety Certifications CE, LVD, FCC Class A, VCCI, C-Tick, UL

Operating Temperature 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)

Warranty 24 months

### System Requirements

Operating System Microsoft Windows 7/Vista/XP/2000

Web Browser Mozilla Firefox 7~10 (streaming only)

Internet Explorer 7/8/9/10

Other Players

VLC: 1.1.11 or above

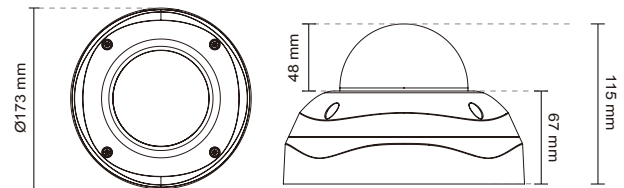
Quicktime: 7 or above

### Included Accessories

CD User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software

Others Quick installation guide, warranty card, mounting plate, alignment sticker, L-type hex key wrench, desiccant bag, screws, hex nut, double-sided tape, AV cable, waterproof connector & bushing, DC connector

## 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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