



# Fixed Dome Network Camera FD8365HV/65EHV



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

VIVOTEK FD8365HV/65EHV are professional outdoor network dome cameras offering up to 60 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 with 3D Noise Reduction Technology, which enables the FD8365HV/65EHV 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.

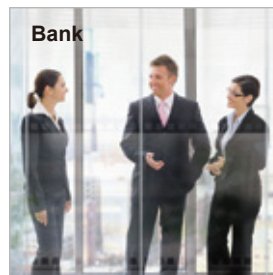
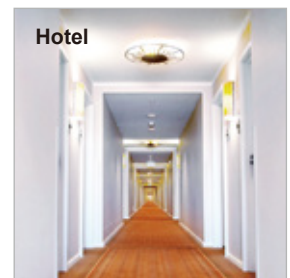
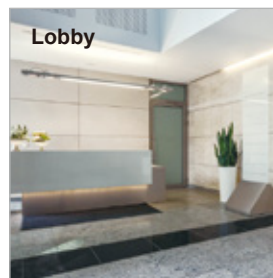
Additionally, as a professional day/night camera, FD8365HV/65EHV adopt a Smart IR technology which prevents overexposure and provides noise reduction to adjust the IR lighting intensity instantaneously based on changes in lighting in the ambient environment.

To provide top-notch image quality, FD8365HV/65EHV also 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. Furthermore, for installers, properly adjusting the focus of a megapixel network camera can be difficult due to the level of image detail. Thus, FD8365HV/65EHV are 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;  
60 fps @ 1920x1080 (One-stream mode only)
- Motorized, P-iris Lens
- 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 to Provide Improved Visibility in Extremely Bright and 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	FD8365HV/65EHV	<b>Intelligent Video</b>	Video Motion Detection	Triple-window video motion detection
<b>System Information</b>		<b>Alarm and Event</b>	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering 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	256MB	<b>General</b>	Smart Focus System	Remote focus
RAM	384MB	Connectors	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
<b>Camera Features</b>		LED Indicator	LED Indicator	System power and status indicator
Image Sensor	1/2.8" Progressive CMOS	Power Input	Power Input	DC 12V/AC24V IEEE 802.3af PoE
Maximum Resolution	1920x1080(2MP)	Power Consumption	Power Consumption	FD8365HV: DC Max. 7.6 W AC Max. 8.6 W PoE Max. 10.6 W FD8365EHV: DC Max. 25.2 W (Heater on), 8 W (Heater off) AC Max. 30.3 W (Heater on), 8.8 W (Heater off) PoE Max. 10.6 W
Lens Type	Vari-focal, Remote Focus	Dimensions	Dimensions	Ø: 173mm x 115mm
Focal Length	f = 3 ~ 10 mm	Weight	Weight	Net: 1215 g
Aperture	F1.3 ~ F2.5	Casing	Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing
Auto-iris	P-Iris/DC-iris(Reserved)	Safety Certifications	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Field of View	33° ~ 104° (Horizontal) 19° ~ 56° (Vertical) 39° ~ 121° (Diagonal)	Operating Temperature	Operating Temperature	FD8365HV: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F) FD8365EHV: 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) (PoE: -20°C ~ 50°C)
Shutter Time	1/5 sec. to 1/10000 sec.	Warranty	Warranty	24 months
WDR Technology	WDR Pro	<b>System Requirements</b>	Operating System	Microsoft Windows 7/Vista/XP/2000
Day/Night	Removable IR-cut filter for day & night function Smart IR Technology to avoid overexposure (WDR on )	Web Browser	Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10
Minimum Illumination	0.16 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	Other Players	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Pan/tilt/zoom	ePTZ:	<b>Included Accessories</b>	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Functionalities	48x digital zoom (4x on IE plug-in, 12x built in)	Others	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
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*4, with Smart IR Technology	<b>Dimensions</b>		
On-board Storage	MicroSD/SDHC/SDXC card slot			
<b>Video</b>				
Compression	H.264, MJPEG			
Maximum Frame Rate	30 fps @ 1920x1080; 60 fps @ 1920x1080 (One-stream mode only) In both compression modes			
Maximum Streams	2 simultaneous streams			
S/N Ratio	62dB			
Dynamic Range	Up to 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, seamless recording			
<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>			

## Compatible Accessories

### Mounting Kits



**AM-214**  
L shape bracket



**AM-518**  
Outdoor Dome Adaptor

### PoE Kits



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



**AW-FED-0500**  
4-port Unmanaged PoE Switch

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