



# FD8377-HV

Fixed Dome Network Camera



4MP · 30M IR · WDR Pro · Smart Stream II · IP66 ·  
IK10 · Defog

VIVOTEK's FD8377-HV is an outdoor-ready 4-Megapixel IR fixed dome camera offering high video quality with up to 30 fps at 2688x1520. With WDR Pro technology (supports up to 3.6MP, 24 fps @ 2560x1440) and a 2.8 ~ 12 mm vari-focal lens, the FD8377-HV is capable of capturing superb quality video under high contrast environments.

To adapt to challenging outdoor lighting conditions, the FD8377-HV comes with a removable IR-cut filter and built-in IR illuminators effective up to 30 meters for both day and night applications. Further, the FD8377-HV is armed with a robust

IP66- and IK10-rated housing to enable the all-in one camera to withstand rain and dust as well as to protect against vandalism or tampering.

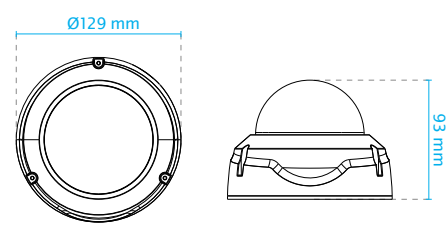
VIVOTEK's sophisticated Smart Stream II technology allows the FD8377-HV to optimize image quality for desired regions, and thus ensure maximum efficiency of bandwidth usage and savings of up to 50% on bandwidth and storage requirements.

## Key Features

- 4-Megapixel CMOS Sensor
- 30 fps @ 2688x1520
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments (supports up to 3.6MP, 24 fps @ 2560x1440)
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Noise Reduction
- 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
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

## Technical Specifications

Model	FD8377-HV
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
<b>Camera Features</b>	
Image Sensor	1/3" progressive CMOS
Maximum Resolution	2688x1520 (4MP)
Lens Type	Vari-focal
Focal Length	f = 2.8 ~ 12 mm
Aperture	F1.4 ~ 2.2
Auto-iris	DC-iris
Field of View	33° ~ 105° (H) 18° ~ 54° (V) 38° ~ 125° (D)
Shutter Time	1/5 sec. to 1/16,000 sec.
WDR Technology	WDR Pro (supports up to 3.6MP, 24 fps @ 2560x1440)
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*8
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 2688x1520 (without WDR Pro) 24 fps @ 2560x1440
Maximum Streams	3 simultaneous streams
S/N Ratio	51.5dB
Dynamic Range	110dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II
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, video rotation, defog
<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, ARP, SSL, TLS

Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Intelligent Video</b>	
Video Motion Detection	Five-window video motion detection
<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
<b>General</b>	
Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 10 W
Dimensions	Ø 129 x 93 mm
Weight	Net: 590.6 g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F~ 122°F)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
<b>Included Accessories</b>	
Others	Quick installation guide, alignment sticker, screw pack
<b>Dimensions</b>	
	

## Compatible Accessories

### Mounting Kits



AM-21A  
L-shape Bracket



AM-51D  
Adapter Ring



AM-528  
Mounting Adapter

## Ordering Information

Model	Description	Part Number
FD8377-HV	4MP, 30M IR, IP66, IK10, Vari-focal, Operating Temp. -20°C ~ 50°C	100150400G
		100167200G, US
FD8377-HV (Black)	4MP, 30M IR, IP66, IK10, Vari-focal, Operating Temp. -20°C ~ 50°C, Black	100192500G