





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  $\sim$  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**

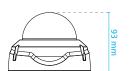
- · 4-Megapixel CMOS Sensor
- · 30 fps @ 2688x1520
- · Real-time H.264, MJPEG Compression (Dual Codec)
- $\cdot$  Removable IR-cut Filter for Day & Night Function
- · Built-in IR Illuminators, Effective up to 30 Meters
- · Smart IR Technology to Avoid Overexposure
- · WDR Pro for Unparalleled Visibility 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	
System Information		Interface
CPU	Multimedia SoC (System-on-Chip)	
Flash	128MB	ONVIF
RAM	256MB	Intellige
Camera Features		Video Mo
Image Sensor	1/3" progressive CMOS	Alarm a
Maximum Resolution	2688x1520 (4MP)	Alarm Trig
Lens Type	Vari-focal	
Focal Length	f = 2.8 ~ 12 mm	Alarm Eve
Aperture	F1.4 ~ 2.2	
Auto-iris	DC-iris	General
Field of View	33° ~ 105° (H) 18° ~ 54° (V) 38° ~ 125° (D)	Connecto
Shutter Time	1/5 sec. to 1/16,000 sec.	LED Indica
WDP Tachnology	WDR Pro (supports up to 3.6MP, 24 fps @	Power Inp
WDR Technology	2560x1440)	Power Co
Day/Night	Removable IR-cut filter for day & night function	Dimensio Weight
Minimum Illumination	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	Casing
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Safety Ce
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*8	Operating
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Humidity
Video		Warranty
Compression	H.264 & MJPEG	System I
Maximum Frame Rate	30 fps @ 2688x1520 (without WDR Pro) 24 fps @ 2560x1440	Operating Web Brow
Maximum Streams	3 simultaneous streams	
S/N Ratio	51.5dB	Other Play
Dynamic Range	110dB	Included
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II	Others
lmage 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	Dimens
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, 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 www. onvif.org	
Intelligent Video		
Video Motion Detection	Five-window video motion detection	
Alarm and Event		
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	
General		
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	
System Requirements		
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	
Dimensions		





## **Compatible Accessories**

## **Mounting Kits**







AM-51D Adapter Ring



AM-528 Mounting Adapter

