



FD8377-HTV



FD8377-EHTV

Fixed Dome Network Camera



4MP 30fps • SNV • WDR Pro • Smart Stream II •
Smart IR II • 30M IR • IP66 • IK10

VIVOTEK's FD8377-(E)HTV is a series of outdoor dome network cameras equipped with a 4MP sensor enabling resolution of 2688x1520 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, the FD8377-(E)HTV series is capable of capturing high quality images whether in high contrast or low light environments.

The FD8377-(E)HTV series includes a remote focus lens for different monitoring range demands and is equipped with 30-meter IR illuminators for improved night visibility. For harsh outdoor

environments, the FD8377-(E)HTV series is encased in an IP66 and IK10-rated housing, capable of operating from -50°C to 50°C (FD8377-EHTV).

Through employing VIVOTEK's Smart Stream II technology, the FD8377-(E)HTV series provides great image quality while still maintaining low bandwidth. Additionally, VADP (VIVOTEK Application Development Platform) allows users to add customized applications for various user scenarios.

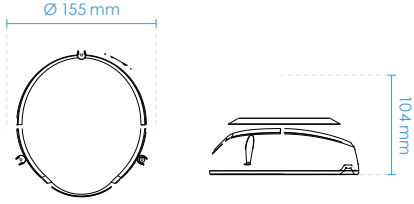
Key Features

- 30 fps @ 2688x1520
- Real-time H.264, MJPEG Compression (Dual Codec)
- 2.8 ~ 12 mm, Remote Focus, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- IR Illuminators up to 30M with Smart IR II
- SNV (Supreme Night Visibility) for Low Light Conditions
- 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 MicroSD/SDHC/SDXC Card Slot for On-board Storage





Technical Specifications

Model	FD8377-HTV: Vari-focal, Remote Focus FD8377-EHTV: Vari-focal, Remote Focus, -50°C ~ 50°C	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 (Up to 24); Scheduled profile settings, defog, 3DNR, HLC, AE speed, video rotation
System Information		Audio	
CPU	Multimedia SoC (System-on-Chip)	Audio Capability	Two-way audio
Flash	128MB	Compression	G.711, G.726
RAM	512MB	Interface	External microphone input External line output
Camera Features		Network	
Image Sensor	1/3" Progressive CMOS	Users	Live viewing for up to 10 clients
Maximum Resolution	2688x1520	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, TLS, NTCIP
Lens Type	Vari-focal, Remote Focus	Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Focal Length	f = 2.8 ~ 12 mm	ONVIF	Supported, specification available at www.onvif.org
Aperture	F1.4 ~ F2.8	Intelligent Video	
Auto-iris	P-iris	Video Motion Detection	Five-window video motion detection
Field of View	32° ~ 93° (Horizontal) 18° ~ 50° (Vertical) 37° ~ 110° (Diagonal)	Alarm and Event	
Shutter Time	1/5 sec. to 1/16,000 sec.	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, advanced motion detection, PIR detection, MicroSD card life expectancy
WDR Technology	WDR Pro (supports up to 3.6MP, 24 fps @ 2560x1440)	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
Day/Night	Removable IR-cut filter for day & night function	General	
Minimum Illumination	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W) 0 Lux with IR illumination on	Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V Digital input *1 Digital output *1
Pan Range	353°	LED Indicator	System power and status indicator
Tilt Range	80°	Power Input	FD8377-HTV: DC 12V, IEEE 802.3af PoE Class 0 FD8377-EHTV: DC 12V, IEEE 802.3at PoE Class 4
Rotation Range	180°	Power Consumption	FD8377-HTV: Max. 11 W FD8377-EHTV: Max. 23 W
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Dimensions	Ø 155 x 104 mm
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR II, IR LED*4	Weight	862 g
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Casing	IP66, IK10
Video		Safety Certifications	CE, FCC Class A, VCCI, C-Tick, UL
Compression	H264, MJPEG		
Maximum Frame Rate	30 fps @ 2688x1520 (WDR Pro off) 24 fps @ 2560x1440 (WDR Pro on)		
Maximum Streams	3 simultaneous streams		
S/N Ratio	68 dB		
Dynamic Range	110 dB		
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream II		

Technical Specifications

Operating Temperature	FD8377-HTV: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) FD8377-EHTV: Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Humidity	90%	Included Accessories	
Warranty	36 months	Others	Quick installation guide, warranty card, screw pack, alignment sticker
System Requirements		Dimensions	
Operating System	Microsoft Windows 8/7 Mac 10.12(Chrome only)		
Web Browser	Chrom 58.0 Internet Explorer 10/11		

Compatible Accessories

Mounting Kits			
 AM-21A L-shape Bracket	 AM-51C Adapting Plate	 AM-525 Mounting Adapter	 AM-713(v01) Outdoor Conduit Box