



# FD8177-HT

Fixed Dome Network Camera

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

VIVOTEK's FD8177-HT is an indoor dome network camera equipped with a 4MP sensor enabling resolution of 2688x1520 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, FD8177-HT is capable of capturing high quality images whether in high contrast or low light environments.

Through employing VIVOTEK's Smart Stream II technology, the FD8177-HT 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.

The FD8177-HT includes a remote focus lens for different monitoring range demands and is equipped with 30-meter IR illuminators for improved night visibility. To further enhance indoor applications, a PIR sensor is built-in to detect unexpected events.

## 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
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

## Technical Specifications

Model	FD8177-HT
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB
<b>Camera Features</b>	
Image Sensor	1/3" Progressive CMOS
Maximum Resolution	2688x1520
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 2.8 ~ 12 mm
Aperture	F1.4 ~ F2.8
Auto-iris	P-iris
Field of View	32° ~ 93° (Horizontal) 18° ~ 50° (Vertical) 37° ~ 110° (Diagonal)
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) 0 Lux with IR illumination on
Pan Range	353°
Tilt Range	80°
Rotation Range	180°
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 II, IR LED*4
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
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
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
<b>Audio</b>	
Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	Build-in microphone External microphone input External line output
Effective Range	5 meters
<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, TLS
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.
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, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, advanced motion detection, PIR detection, MicroSD card life expectancy
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
<b>General</b>	
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	DC 12V IEEE 802.3af PoE Class 0
Power Consumption	Max. 11 W
Dimensions	Ø 139 x 104 mm
Weight	472 g
Safety Certifications	CE, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)(IR off) Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)(IR on)
Humidity	90%
Warranty	36 months

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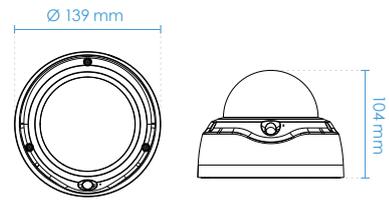
### System Requirements

Operating System	Microsoft Windows 8/7 Mac 10.12(Chrome only)
Web Browser	Chrom 58.0 Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

### Included Accessories

Others	Quick installation guide, warranty card, screw pack, alignment sticker
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### Dimensions



## Compatible Accessories

### Mounting Kits



AM-21A  
L-shape Bracket



AM-514  
Adapting Plate