VIVOTEK

V series

FD8177-H
Fixed Dome Network Camera

4MP · 30M IR · WDR Pro · Smart Stream II · 3DNR · Defog

VIVOTEK FD8177-H is a stylish-design 4-Megapixel IR fixed dome camera for indoor applications. Equipped with a 4MP sensor, the camera offers up to 30 fps at 2688x1520 with superb image quality. Featuring the WDR Pro technology and a 2.8 ~ 12 mm vari-focal lens, the FD8177-H provides clear and accurate video under high contrast environments

With VIVOTEK's sophisticated Smart Stream II technology, the FD8177-H do 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.

As an all-in-one day/night camera, the FD8177-H features a removable IR-cut filter as well as IR illuminators effective up to 30 meters for superior image quality even in challenging lighting conditions. Incorporating a number of features such as video rotation, defog, a dedicated MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the FD8177-H is well-design for any interior usage.
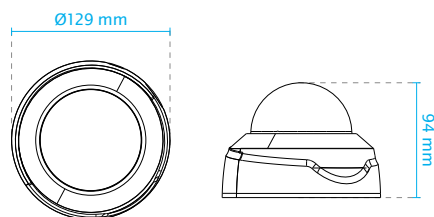
Key Features

· 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 2560x1440)

· Smart Stream II to Optimize Bandwidth Efficiency
· 3D Noise Reduction
· 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	FD8177-H

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Camera Features

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
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

Video

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

Audio

Audio Capability	Audio input
Compression	G.711, G.726
Interface	Build-in microphone
Effective Range	5 meters

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
VCA	Line crossing detection, field detection, loitering detection *Available per project request

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 94 mm
Weight	Net: 416.4 g
Safety Certifications	CE, LVD, 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)
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

Included Accessories

Others	Quick installation guide, alignment sticker, screw pack

Dimensions

Compatible Accessories

Mounting Kits

AM-21A
L-shape Bracket

AM-51D
Adapter Ring

AM-528
Mounting Adapter