



# Fixed Dome Network Camera FD8335H



720p HD • P-iris • WDR Pro •  
Vandal-proof • IP66

VIVOTEK's FD8335H network camera features an HD WDR CMOS sensor to cope with challenging lighting conditions. The WDR feature allows the camera to capture both the dark and bright parts of an image and combines the differences to generate a highly realistic image representative of the original scene, enabling it to provide video quality close to the capabilities of the human eye. This function enables the FD8335H to be widely applicable in high contrast environments such as lobby entrances, parking lots, ATMs, loading areas, and much more. The P-iris lens controls the iris with extreme precision; with its built-in stepper motor, it maintains the iris opening at an optimal level at all times, resulting in superior image clarity and depth of field as well as image quality.

Incorporating an IR-cut filter that can be removed automatically at night and built-in IR illuminators with coverage of up to 20 meters, the FD8335H is an outstanding 24-hour surveillance solution. The vandal-proof and the IP66-rated housing of the FD8335H enables users to easily build a cost-effective IP surveillance system without additional accessories. Its metal vandal-proof housing effectively provides robust protection from vandalism. Meanwhile, the IP66 integrated housing shields the camera from dust and water, allowing it to be applied in the harsh weather conditions of outdoor environments.

## Features

- 1-Megapixel CMOS Sensor
- 30 fps @ 1280x800
- 3 ~ 9 mm Vari-focal, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 20 Meters
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage



## Technical Specifications

System Information		Intelligent Video	
CPU	Multimedia SoC (System-on-Chip)	Video Motion Detection	Triple-window video motion detection
Flash	16 MB	<b>Alarm and Event</b>	
RAM	128 MB	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notify, camera tampering detection
<b>Camera Features</b>		Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Image Sensor	1/3" Progressive CMOS	<b>General</b>	
Maximum Resolution	1280x800	Smart Focus System	Focus assist OSD (Network streaming)
Lens Type	Vari-focal	Connectors	RJ-45 for Network/PoE connection 3.5 mm phone jack*2 for audio input/output Terminal block*2 for AC 24V power input Terminal block*4 for digital input*3 Terminal block*2 for digital output*1 MicroSD/SDHC card slot
Focal Length	f = 3 ~ 9 mm	LED Indicator	System power and status indicator
Aperture	F1.2 (wide), F2.1 (tele)	Power Input	24V AC IEEE 802.3af PoE Class 3
Iris	P-iris	Power Consumption	Max. 8.0W
Field of View	102.68° ~ 35.4° (horizontal) 61.93° ~ 22.80° (vertical) 122.56° ~ 41.11° (diagonal)	Dimensions	Ø: 173 mm x 115 mm
Shutter Time	1/15 sec. to 1/25,000 sec.	Weight	Net: 1414 g
WDR Technology	WDR Pro	Casing	Vandal-proof IK10-rated metal housing Weather-proof IP66-rated housing
Day/Night	Removable IR-cut filter for day & night function	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
Minimum Illumination	0.8 Lux @ F1.2, 50 IRE (Color) 0.001 Lux @ F1.2, 50 IRE (B/W)	Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Pan/tilt/zoom	ePTZ:	Warranty	24 months
Functionalities	16x digital zoom (4x on IE plug-in, 4x built-in)	<b>System Requirements</b>	
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*18	Operating System	Microsoft Windows 7/Vista/XP/2000
On-board Storage	MicroSD/SDHC card slot	Web Browser	Mozilla Firefox 7 ~ 10 (streaming only) Internet Explorer 7.x or 8.x
<b>Video</b>		Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Compression	H.264, MJPEG & MPEG-4	<b>Included Accessories</b>	
Maximum Frame Rate	H.264: 30 fps at 1280x800 MPEG-4: 30 fps at 1280x800 MJPEG: 30 fps at 1280x800	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Maximum Streams	2 simultaneous streams	Others	Quick installation guide, warranty card, mounting plate, alignment sticker, ceiling hole template sticker, L-type hex key wrench, silica gel, screws, hex nut, double-sided tape, AV cable, waterproof connector & bushing
S/N Ratio	Above 60.5 dB	<b>Dimensions</b>	
Dynamic Range	110.4 dB		
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving		
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 Scheduled profile settings		
<b>Audio</b>			
Audio Capability	Audio input/output (half duplex)		
Compression	GSM-AMR, AAC, G.711		
Interface	External microphone input External line output		
<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		
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)		
ONVIF	Ver. 1.02		

## Compatible Accessories

### Mounting Kits



**AM-518**  
Outdoor dome adapter

### PoE Kits



**MS-POE-IJAF**  
PoE Injector, 802.3af Compliant

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