

## Fixed Dome Network Camera

# FD8335H



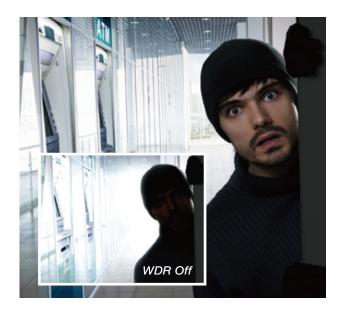
720p HD • P-iris • WDR Pro • Vandal-proof • IP66

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**

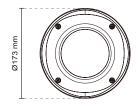
- 1-Megapixel CMOS Sensor
- 30 fps @ 1280x800
- 3 ~ 9 mm Vari-focal, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 20 Meters
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Real-time H.264, MPEG-4, and MJPEG Compression (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

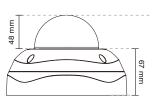


Technical Specifications		
System Information		
CPU	Multimedia SoC (System-on-Chip)	
Flash	16 MB	
RAM	128 MB	
Camera Features		
Image Sensor	1/2.7" Progressive CMOS	
Maximum Resolution	1280x800	
Lens Type	Vari-focal Vari-focal	
Focal Length	f = 3 ~ 9 mm	
Aperture	F1.2 (wide), F2.1 (tele)	
Iris	P-iris	
Field of View	102.68° ~ 35.4° (horizontal) 61.93° ~ 22.80° (vertical)	
	122.56° ~ 41.11° (diagonal)	
Shutter Time	1/15 sec. to 1/25,000 sec.	
WDR Technology	WDR Pro	
Day/Night	Removable IR-cut filter for day & night function	
Minimum Illumination	0.8 Lux @ F1.2, 50 IRE (Color)	
	0.001 Lux @ F1.2, 50 IRE (B/W)	
Pan/tilt/zoom	ePTZ:	
Functionalities	16x digital zoom (4x on IE plug-in, 4x built-in)	
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*18	
On-board Storage	MicroSD/SDHC card slot	
Video		
Compression	H.264, MJPEG & MPEG-4	
Maximum Frame Rate	H.264: 30 fps at 1280x800	
	MPEG-4: 30 fps at 1280x800	
	MJPEG: 30 fps at 1280x800	
Maximum Streams	2 simultaneous streams	
S/N Ratio	Above 60.5 dB	
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	
inage counge	Time stamp, text overlay, flip & mirror	
	Configurable brightness, contrast, saturation,	
	sharpness, white balance, exposure control, gain,	
	backlight compensation, privacy masks	
	Scheduled profile settings	
Audio		
Audio Capability	Audio input/output (half duplex)	
Compression	GSM-AMR, AAC, G.711	
Interface	External microphone input	
	External line output	
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	
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)	
ONVIF	Ver. 1.02	

Intelligent Video	
Video Motion Detection	Triple-window video motion detection
Alarm and Event	
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notify, camera tampering detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
General	
Smart Focus System Connectors	Focus assist OSD (Network streaming)  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
LED Indicator	System power and status indicator
Power Input	24V AC IEEE 802.3af PoE Class 3
Power Consumption	Max. 8.0W
Dimensions	Ø: 173 mm x 115 mm
Weight	Net: 1414 g
Casing	Vandal-proof IK10-rated metal housing Weather-proof IP66-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Warranty	24 months
System Requirements	
Operating System Web Browser	Microsoft Windows 7/Vista/XP/2000  Mozilla Firefox 7 ~ 10 (streaming only)  Internet Explorer 7.x or 8.x
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Included Accessories	
CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
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

#### **Dimensions**





115 mm

### **Compatible Accessories**

#### Mounting Kits



AM-518 Outdoor dome adapter PoE Kits



MS-POE-IJAF
PoE Injector, 802.3af Compliant