



# Fixed Dome Network Camera FD8135H



720p HD • P-iris • WDR Pro • PIR

VIVOTEK's FD8135H 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 FD8135H 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 FD8135H is an outstanding 24-hour surveillance solution. Together with a PIR sensor for human detection, 802.3af compliant PoE, tamper detection, MicroSD/SDHC card for on-board storage, the FD8135H is indisputably the top choice for reliable and performance surveillance.

## 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)
- Built-in PIR Sensor for Human Detection
- 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 Maximum Resolution	1/2.7" Progressive CMOS 1280x800	<b>General</b>	
Lens Type	Vari-focal	Smart Focus System	Focus assist OSD (Network streaming)
Focal Length	f = 3 ~ 9 mm	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
Aperture	F1.2 (wide), F2.1 (tele)	LED Indicator	System power and status indicator
Iris	P-iris	Power Input	24V AC IEEE 802.3af PoE Class 3
Field of View	102.68° ~ 35.4° (horizontal) 61.93° ~ 22.80° (vertical) 122.56° ~ 41.11° (diagonal)	Power Consumption	Max. 8.0W
Shutter Time	1/15 sec. to 1/25,000 sec.	Dimensions	Ø: 157 mm x 110 mm
WDR Technology	WDR Pro	Weight	Net: 778 g
Day/Night	Removable IR-cut filter for day & night function	Safety Certifications	CE, LVD, FCC Class B, 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 Functionalities	ePTZ: 16x digital zoom (4x on IE plug-in, 4x built-in)	Warranty	24 months
IR Illuminators	Built-in IR illuminators, effective up to 20 meters IR LED*18	<b>System Requirements</b>	
On-board Storage	MicroSD/SDHC card slot	Operating System	Microsoft Windows 7/Vista/XP/2000
<b>Video</b>		Web Browser	Mozilla Firefox 7 ~ 10 (streaming only) Internet Explorer 7.x or 8.x
Compression Maximum Frame Rate	H.264, MJPEG & MPEG-4 H.264: 30 fps at 1280x800 MPEG-4: 30 fps at 1280x800 MJPEG: 30 fps at 1280x800	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Maximum Streams	2 simultaneous streams	<b>Included Accessories</b>	
S/N Ratio Dynamic Range Video	Above 60.5 dB 110.4 dB	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving	Others	Quick installation guide, warranty card, alignment sticker, T10 torx screwdriver, screws, plastic anchors, AV cable
Image Settings	Adjustable image size, quality and bitrate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings	<b>Dimensions</b>	
<b>Audio</b>			
Audio Capability	Audio input/output (half duplex)		
Compression	GSM-AMR, AAC, G.711		
Interface	Built-in microphone 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

### PoE Kits



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