VIVOTEK
BUILT WITH RELIABILITY
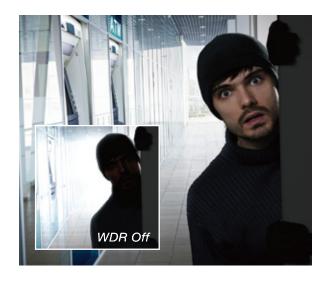
Fixed Dome Network Camera
FD8135H

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.
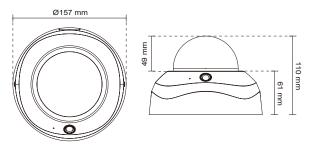
Incorporating an IR-cut filter that can be removed automatically at night and built-in IR illuminators with coverage of up to 20 meters, the FD8135H is an outstanding 24-hour surveillance solution. Together with a PIR sensor for human detection, 802.3af compliant PoE, tamper detection, MicroSD/SDHC card 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

WDR Off

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
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 Functionalities	ePTZ:
	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
	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/Internal microphone input

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	Focus assist OSD (Network streaming)
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
LED Indicator	System power and status indicator
Power Input	24V AC
	IEEE 802.3af PoE Class 3
Power Consumption	Max. 8.0W
Dimensions	Ø: 157 mm x 110 mm
Weight	Net: 778 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 7/Vista/XP/2000
Web Browser	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, alignment sticker, T10 torx screwdriver, screws, plastic anchors, AV cable

Dimensions

Ø157 mm

49 mm

110 mm

61 mm

Compatible Accessories

PoE Kits

MS-POE-IJAF
PoE Injector, 802.3af Compliant

Distributed by:

Ver 1.1