VIVOTEK

FD8138-H

Fixed Dome Network Camera

1MP · 30M IR · Smart Stream · WDR Pro

The VIVOTEK FD8138-H is a stylish, fixed-dome network camera designed for diverse indoor applications. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at a smooth 30 fps, the FD8138-H is an all-in-one indoor camera capable of capturing high quality footage at 720P resolution, even in high-contrast lighting environments. As well as providing remarkably high image quality, the FD8138-H is also equipped with VIVOTEK Smart Stream, and 3DNR to save substantial bandwidth for our users.

To further enhance image quality, the FD8138-H also comes with a P-iris lens, which controls the iris with extreme precision via its built-in stepper motor. By using software controls, the lens maintains the iris opening at an optimal level at all times, resulting in superior sharpness and depth of field as well as superb image quality.

Key Features

· 1-Megapixel CMOS Sensor
· 30 fps @ 1280x800
· 2.8 ~ 12 mm Vari-focal, P-iris Lens
· Removable IR-cut Filter for Day & Night Function
· Built-in IR Illuminators, Effective up to 30 Meters
· Real-time H.264, and MJPEG Compression
· Two-way Audio
· WDR Pro for Clear Visibility in Extremely Bright and Dark Environments
· 3D Noise Reduction
· PIR
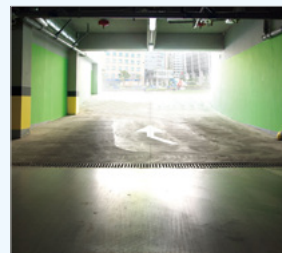· Supports Installation with Conduit Box

With WDR Pro   Without WDR Pro

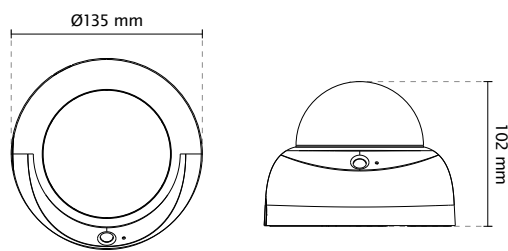Hotel Lobby   Banking

Indoor Parking Entrance   Office

Technical Specifications

Model	FD8138-H

System Information

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

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1280x800
Lens Type	Vari-focal, Manual Focus
Focal Length	f = 2.8 ~ 12 mm
Aperture	F1.8 ~ F2.85
Auto-iris	P-Iris
Field of View	33˚ ~ 87˚ (Horizontal) 21˚ ~ 54˚ (Vertical) 39˚ ~ 110˚ (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (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*6
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG
Maximum Frame Rate	H.264: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800
Maximum Streams	3 simultaneous streams
S/N Ratio	Above 61 dB
Dynamic Range	110 dB
Video Streaming	Adjustable resolution, quality and bitrate
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, seamless recording

Audio

Audio Capability	Audio input/output (full duplex)
Compression	G.711, G.726
Interface	Built-in microphone Audio 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	Supported, specification available at www.onvif.org

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 notification, camera tampering detection, audio detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server

General

Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE DC 12V
Power Consumption	PoE: Max. 9.7 W DC 12V: Max. 9.96 W
Dimensions	Ø: 135 x 102 mm
Weight	Net: 512g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10˚C ~ 50˚C (14˚F~ 122˚F) Working Temperature: -20˚C ~ 50˚C (-4˚F~ 122˚F)
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7.x or 8.x, 9.x, 10.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/desiccant bag, waterproof connector

Dimensions

Ø135 mm

102 mm

Compatible Accessories

Mounting Kits

AM-215
L Shape Bracket

AM-712
Conduit Box

AM-517
Adaptor Ring

AM-520
Mounting Adapter