VIVOTEK

FD8338-HV

Fixed Dome Network Camera

1MP · 30M IR · IP66 · IK10 · Smart Stream · WDR Pro

The VIVOTEK FD8338-HV is a robust, fixed-dome style network camera designed for diverse outdoor applications. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at a smooth 30 fps, the FD8338-HV is an all-in-one outdoor camera capable of capturing high quality images with 720P resolution, even in high-contrast lighting environments. While providing exceptional image quality, the FD8338-HV is also equipped with VIVOTEK Smart Stream and 3DNR to save substantial bandwidth for our users.

To meet the harsh demands of outdoor applications, the FD8338-HV is also armed with IP66-rated housing to help the camera body withstand rain, dust and even high-pressure water jets from any angle, while its IK10-rated housing provides protection against attempted acts of vandalism or any violent impact.

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
· Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
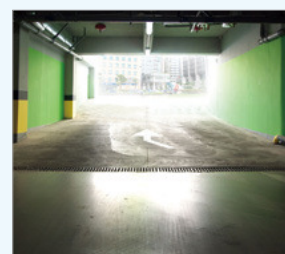· 3D Noise Reduction

With WDR Pro

Without WDR Pro
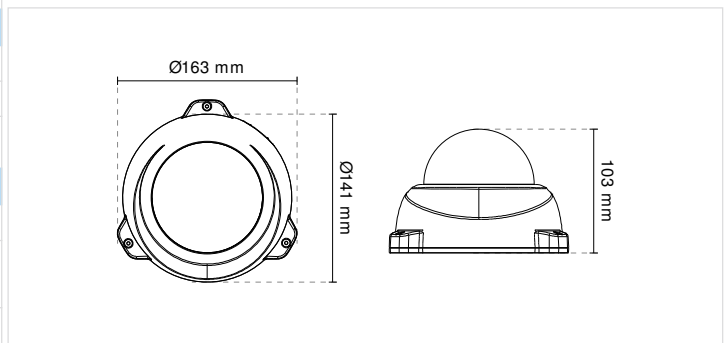
Train Station

Parking Lot

Outdoor Sidewalk

Parking Entrance

Technical Specifications

Model	FD8338-HV

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	External microphone input 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: 141 x 103 mm
Weight	Net: 836g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Safety Certifications	CE, LVD, FCC Class A, 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

Ø163 mm · Ø141 mm · 103 mm

Compatible Accessories

Mounting Kits

AM-215
L Shape Bracket

AM-517
Adaptor Ring

AM-520
Mounting Adapter

Distributed by:

Ver. 4

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