VIVOTEK
BUILT WITH RELIABILITY

Fixed Dome
Network Camera
FD8355EHV

1.3MP • WDR Pro II • 30M IR • Smart IR • 3DNR • Smart Focus System • IP66 • IK10

VIVOTEK FD8355EHV is a professional outdoor network dome camera offering 30 fps @ 1.3-Megapixel resolution with superb image quality.

Featuring the new improved Wide Dynamic Range Technology WDR Pro II, it provides extreme visibility in extremely dark & light environments with 4 shutter capture methods. Combined 3D Noise Reduction Technology, which enables the FD8355EHV to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can identify an increased level of image detail in extremely bright as well as dark environments.
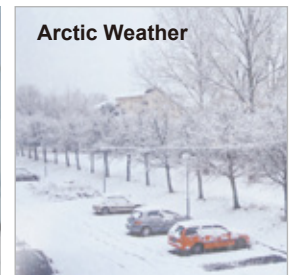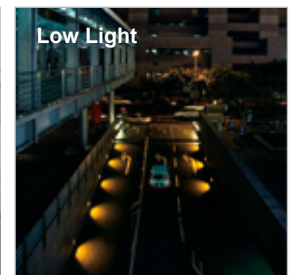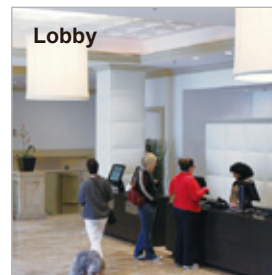
Additionally, as a professional day/night camera, FD8355EHV adopts Smart IR technology which prevents overexposure and provides noise reduction to adjust IR lighting intensity instantaneously based on changes in lighting in the ambient environment.

To provide top-notch image quality, FD8355EHV also comes with a P-iris lens, which controls the iris with extreme precision with 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 image quality. Furthermore, for installers, properly adjusting the focus of a megapixel network camera can be difficult due to the level of image detail. Thus, FD8355EHV is also designed with VIVOTEK's Smart Focus System to make installation and adjustment easier by using remote focus and zoom adjustment.

The camera's IP66-rated housing is designed to help the camera body withstand rain and dust and high pressure water jets from any direction while the IK10 vandalproof rating provides protection against the vandalism and impact. Additionally, the wide temperature range further enhances the FD8355EHV's performance and reliability in extremely cold and hot weather.

Features

- 1.3-Megapixel CMOS Sensor
- 30 fps @ 1280x1024
- Motorized, P-iris Lens & DC-iris
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- 3D Noise Reduction for Low-light Conditions
- WDR Pro II (140dB) to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
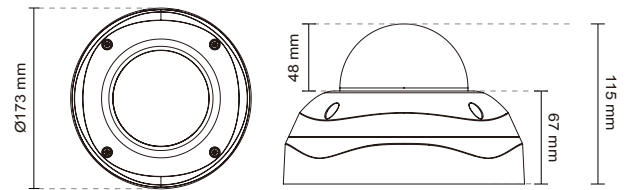- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing

Lobby

Low Light

Bank

Arctic Weather

Technical Specifications

Model	FD8355EHV

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	384MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1280x1024(1.3MP)
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 3 ~ 10 mm
Aperture	F1.3 ~ F2.5
Auto-iris	P-iris/DC-Iris(Reserved)
Field of View	30° ~ 95° (Horizontal) 24° ~ 75° (Vertical) 39° ~ 123° (Diagonal)
Shutter Time	1/5 sec. to 1/10000 sec.
WDR Technology	WDR Pro II
Day/Night	Removable IR-cut filter for day & night function Smart IR Technology to avoid overexposure
Minimum Illumination	0.08 Lux @ F1.3, 50 IRE (Color) 0.001 Lux @ F1.3, 50 IRE (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 IR LED*4, with Smart IR Technology
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1280x1024 In both compression modes
Maximum Streams	2 simultaneous streams
S/N Ratio	64db
Dynamic Range	140dB
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, smart stream

Audio

Audio Capability	Two-way audio (full duplex)
Compression	AAC, 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, UDP, ICMP
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
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	Remote focus
Connectors	RJ-45 for Network/PoE connection Audio input/output AV output AC 24V power input DC 12V power input Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	DC12V/AC24V IEEE 802.3af PoE
Power Consumption	DC Max. 25.2W(Heater on) 8W(Heater off) AC Max. 30.3W(Heater on)8.8W(Heater off) PoE Max. 10.6W
Dimensions	Ø: 173mm x 115 mm
Weight	Net: 1215 g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) (PoE: -10°C ~ 50°C) Working Temperature: -50°C ~ 50°C (-58°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 7/8/9/10
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, L-type hex key wrench, desiccant bag, screws, hex nut, double-sided tape, AV cable, waterproof connector & bushing, DC connector

Dimensions

Ø173 mm · 48 mm · 115 mm · 67 mm

Compatible Accessories

Mounting Kits

AM-214
L shape bracket

AM-518
Outdoor Dome Adaptor

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant

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