FD836B-HTV/EHTV
FD836B-HVF2/EHVF2

Fixed Dome Network Camera

2MP · SNV · WDR · 30M IR · P-iris · Remote Focus · IP66 · IK10 · 3DNR · Smart Stream · Smart IR · Video Rotation · Extreme Weather · Defog

VIVOTEK's FD836B-HV range is a series of robust, dome-style network cameras designed for diverse outdoor applications and offering a broad range of options. Equipped with a Full HD sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the FD836B-HV series are all-in-one outdoor cameras capable of capturing high quality and high resolution video at up to 2 Megapixels whether in high contrast or low light with WDR and SNV technology.

Further increasing its flexibility, VIVOTEK's FD836B-HV series provides options for both fixed focus for simple operation without extra electrical power, and remote focus with built-in stepping motors and P-iris to provide precise adjustment remotely.

To meet the demands of any harsh outdoor application, VIVOTEK's FD836B-HV series is also armed with IP66-rated housing to help the camera body withstand rain, dust and high pressure water jets from any direction, while its IK10-rated housing provides robust protection against acts of vandalism or other impacts.
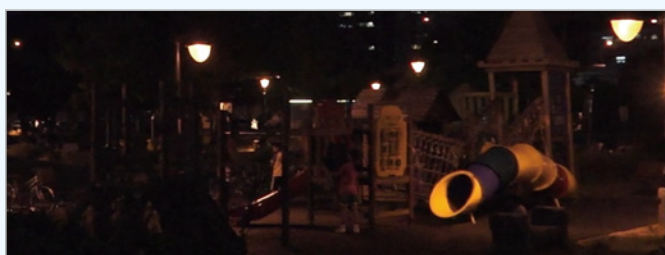
Finally, a wide operating temperature range further enhances the FD836B-HV's performance and reliability in extremely cold or hot weather, even when using PoE. When choosing VIVOTEK FD836B-HV series, customers will be offered four options: the FD836B-HVF2, FD836B-EHVF2, FD836B-HTV, and FD836B-EHTV. Different options can be chosen based on the requirements of your application, such as the need for a specific focusing method or operating environment temperature.

Key Features

· 2-Megapixel CMOS Sensor
· 30 fps @ 1920x1080
· 2.8 ~ 12 mm, Vari-focal, Remote Focus, P-iris Lens (FD836B-HTV/EHTV)
· Built-in IR Illuminators, Effective up to 30 Meters
· WDR for Unparalleled Visibility in Extremely Bright and Dark Environments
· SNV (Supreme Night Visibility) for Low-light Conditions
· 3D Noise Reduction
· Two-way Audio
· Video Rotation for Corridor View
· Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
· Support Installation with AM-713 Outdoor Conduit Box
· Extreme Weather Support with PoE (FD836B-EHVF2/EHTV)
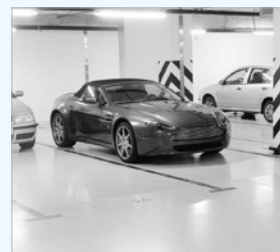· VIVOTEK VCA (Video Content Analysis) Support
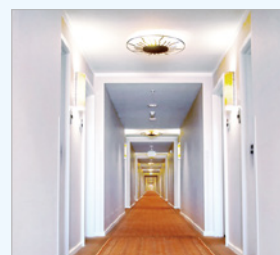
VIVOTEK SNV Camera - Show you true colors at night

Low Light

Parking Lot

Ordinary Camera

Train Station
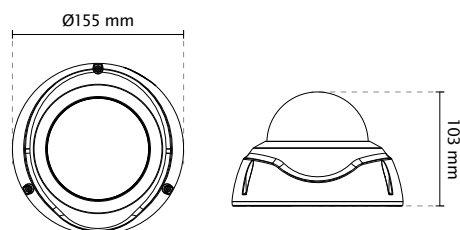
Hotel

Technical Specifications

Model	FD836B-HTV: Vari-focal, P-iris, Remote Focus FD836B-EHTV: Vari-focal, P-iris, Remote Focus, Extreme Weather FD836B-HVF2: Fixed-focal FD836B-EHVF2: Fixed-focal, Extreme Weather

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	1Gb
RAM	2Gb

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	FD836B-HTV/FD836B-EHTV: Vari-focal FD836B-HVF2/FD836B-EHVF2: Fixed-focal
Focal Length	FD836B-HTV/FD836B-EHTV: f = 2.8 ~ 12 mm FD836B-HVF2/FD836B-EHVF2: f = 2.8 mm
Aperture	FD836B-HTV/FD836B-EHTV: F1.8 ~ F2.85 FD836B-HVF2/FD836B-EHVF2: F1.8
Auto-iris	P-iris (FD836B-HTV/FD836B-EHTV)
Field of View	FD836B-HTV/FD836B-EHTV: 42˚ ~ 105˚ (Horizontal) 24˚ ~ 57˚ (Vertical) 49˚ ~ 131˚ (Diagonal) FD836B-HVF2/FD836B-EHVF2: 110˚ (Horizontal) 64˚ (Vertical) 135˚ (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	FD836B-HTV/FD836B-EHTV: 0.03 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) FD836B-HVF2/FD836B-EHVF2: 0.06 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*8
On-board Storage	Slot type: Micro SD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	4 simultaneous streams
S/N Ratio	58 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream
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, 3D noise reduction, video rotation, defog

Audio

Audio Capability	Two-way Audio (full duplex)
Compression	G.711, G.726
Interface	External microphone input External line 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, ARP, SSL, TLS
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection
VCA	Line crossing detection, field detection, loitering detection *Available per project request.

Alarm and Event

Alarm Triggers	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, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card

General

Smart Focus System	FD836B-HTV/FD836B-EHTV: Remote Focus
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	DC 12V FD836B-HTV/-HVF2: IEEE 802.3af/at PoE Class 0 FD836B-EHTV/-EHVF2: IEEE 802.3at PoE Class 4
Power Consumption	FD836B-HTV: Max. 13 W FD836B-EHTV: Max. 25 W (Heater on) FD836B-HVF2: Max. 9 W FD836B-EHVF2: Max. 25 W (Heater on)
Dimensions	Ø 155 x 103 mm
Weight	920 g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Safety Certifications	FD836B-HTV/-EHTV: CE, LVD, FCC Class A, VCCI, C-Tick, UL FD836B-HVF2/-EVF2: CE, LVD, FCC Class A, VCCI, C-Tick
Operating Temperature	FD836B-HVF2/FD836B-HTV: Starting Temperature: -10˚C ~ 50˚C (14˚F~ 122˚F) Working Temperature: -20˚C ~ 50˚C (-4˚F~ 122˚F) FD836B-EHVF2/FD836B-EHTV: Starting Temperature: -40˚C ~ 50˚C (-40˚F ~ 122˚F) Working Temperature: -50˚C ~ 50˚C (-58˚F ~ 122˚F)
Warranty	36 months (FD836B-HTV/FD836B-EHTV) 24 months (FD836B-HVF2/FD836B-EHVF2)

System Requirements

Operating System	Microsoft Windows 7/8/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Installation Wizard 2
Others	Quick installation guide, warranty card, alignment sticker/ desiccant bag, screw pack

Dimensions

Ø155 mm

103 mm

Compatible Accessories

Mounting Kits				PoE Kits
AM-21A L Shape Bracket	AM-51C (v01) Adapter Ring	AM-525 (v01) Mounting Adapter	AM-713 Conduit Box	AP-FXC-0250 Outdoor 2-Port FE PoE Extender