



**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.

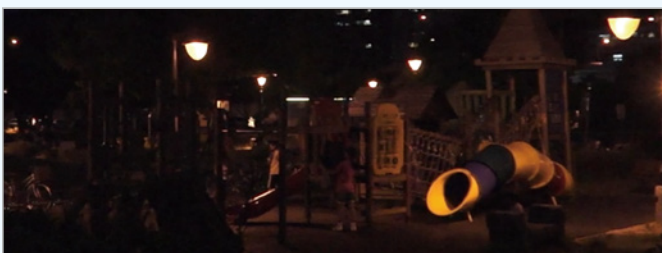
Finally, a wide operating temperature range further enhances the FD836B-HV's performance and reliability in extremely cold or hot weather, even when using PoE. When choosing VIVOTEK FD836B-HV series, customers will be offered four options: the FD836B-HVF2, FD836B-EHVF2, FD836B-HTV, and FD836B-EHTV. Different 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



Ordinary Camera



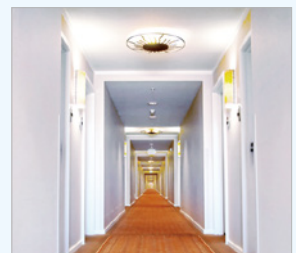
Low Light



Parking Lot



Train Station



Hotel

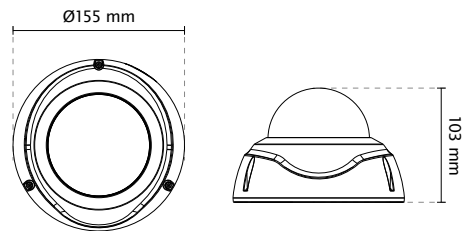
## Technical Specifications

<b>Model</b>	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
<b>System Information</b>	
<b>CPU</b>	Multimedia SoC (System-on-Chip)
<b>Flash</b>	1Gb
<b>RAM</b>	2Gb
<b>Camera Features</b>	
<b>Image Sensor</b>	1/2.8" Progressive CMOS
<b>Maximum Resolution</b>	1920x1080 (2MP)
<b>Lens Type</b>	FD836B-HTV/FD836B-EHTV: Vari-focal FD836B-HVF2/FD836B-EHVF2: Fixed-focal
<b>Focal Length</b>	FD836B-HTV/FD836B-EHTV: f = 2.8 ~ 12 mm FD836B-HVF2/FD836B-EHVF2: f = 2.8 mm
<b>Aperture</b>	FD836B-HTV/FD836B-EHTV: F1.8 ~ F2.85 FD836B-HVF2/FD836B-EHVF2: F1.8
<b>Auto-iris</b>	P-iris (FD836B-HTV/FD836B-EHTV)
<b>Field of View</b>	FD836B-HTV/FD836B-EHTV: 42° ~ 105° (Horizontal) 24° ~ 57° (Vertical) 49° ~ 131° (Diagonal) FD836B-HVF2/FD836B-EHVF2: 110° (Horizontal) 64° (Vertical) 135° (Diagonal)
<b>Shutter Time</b>	1/5 sec. to 1/32,000 sec.
<b>WDR Technology</b>	WDR
<b>Day/Night</b>	Removable IR-cut filter for day & night function
<b>Minimum Illumination</b>	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)
<b>Pan/tilt/zoom Functionalities</b>	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
<b>IR Illuminators</b>	Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*8
<b>On-board Storage</b>	Slot type: Micro SD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
<b>Compression</b>	H.264 & MJPEG
<b>Maximum Frame Rate</b>	30 fps @ 1920x1080 In both compression modes
<b>Maximum Streams</b>	4 simultaneous streams
<b>S/N Ratio</b>	58 dB
<b>Dynamic Range</b>	100 dB
<b>Video Streaming</b>	Adjustable resolution, quality and bitrate; Smart Stream
<b>Image Settings</b>	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
<b>Audio</b>	
<b>Audio Capability</b>	Two-way Audio (full duplex)
<b>Compression</b>	G.711, G.726
<b>Interface</b>	External microphone input External line output
<b>Network</b>	
<b>Users</b>	Live viewing for up to 10 clients
<b>Protocols</b>	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
<b>Interface</b>	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
<b>ONVIF</b>	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>

\* Available per project request.

<b>Intelligent Video</b>	
<b>Video Motion Detection</b>	Five-window video motion detection
<b>VCA*</b>	Line crossing detection, field detection, loitering detection
<b>Alarm and Event</b>	
<b>Alarm Triggers</b>	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
<b>Alarm Events</b>	Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
<b>General</b>	
<b>Smart Focus System</b>	FD836B-HTV/FD836B-EHTV: Remote Focus
<b>Connectors</b>	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
<b>LED Indicator</b>	System power and status indicator
<b>Power Input</b>	DC 12V FD836B-HTV/-HVF2: IEEE 802.3af/at PoE Class 0 FD836B-EHTV/-EHVF2: IEEE 802.3at PoE Class 4
<b>Power Consumption</b>	FD836B-HTV: Max. 13 W FD836B-EHTV: Max. 25 W (Heater on) FD836B-HVF2: Max. 9 W FD836B-EHVF2: Max. 25 W (Heater on)
<b>Dimensions</b>	Ø 155 x 103 mm
<b>Weight</b>	920 g
<b>Casing</b>	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
<b>Safety Certifications</b>	FD836B-HTV/-EHTV: CE, LVD, FCC Class A, VCCI, C-Tick, UL FD836B-HVF2/-EVF2: CE, LVD, FCC Class A, VCCI, C-Tick
<b>Operating Temperature</b>	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-EHTV/FD836B-EHVF2: Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)
<b>Warranty</b>	36 months (FD836B-HTV/FD836B-EHTV) 24 months (FD836B-HVF2/FD836B-EHVF2)
<b>System Requirements</b>	
<b>Operating System</b>	Microsoft Windows 7/8/Vista/XP/2000
<b>Web Browser</b>	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11
<b>Other Players</b>	VLC: 1.1.11 or above Quicktime: 7 or above
<b>Included Accessories</b>	
<b>CD</b>	User's manual, quick installation guide, Installation Wizard 2
<b>Others</b>	Quick installation guide, warranty card, alignment sticker/ desiccant bag, screw pack

## Dimensions



## Compatible Accessories

### Mounting Kits



**AM-51C (v01)**  
Adapter Ring



**AM-525 (v01)**  
Mounting Adapter



**AM-713**  
Conduit Box

### PoE Kits



**AP-FXC-0251**  
PoE Extender with  
Conduit Box

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