VIVOTEK

IB836B-HF3/-EHF3
IB836B-HT/-EHT

Bullet Network Camera

2MP · P-iris · 30M IR · Smart IR · Remote Focus · IP66 · IK10 · Cable Management · WDR · SNV · Extreme Weather

VIVOTEK's IB836B-H is a series of stylish, bullet-style network cameras designed for diverse outdoor applications and offering a complete range of options. Equipped with a 2MP Full HD sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the IB836B-H series is an all-in-one outdoor camera capable of capturing high quality and high resolution video up to 2 Megapixel with WDR and SNV technology, no matter whether in high contrast or in low light environments.

Increasing its flexibility, VIVOTEK's IB836B-H series provides options for both fixed focus used for simple operation without electrical power, and remote focus with built-in stepping motors and P-iris to provide precise adjustment remotely.

To meet the demands of outdoor and harsh applications, VIVOTEK's IB836B-H 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 IB836B-H's performance and reliability in extremely cold or hot weather, even when using PoE. When choosing VIVOTEK IB836B-H series, customers will be offered four options: the IB836B-HF3, IB836B-EHF3, IB836B-HT, and IB836B-EHT. Different options can be chosen based on the requirements of your application, such as 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 (IB836B-HT,IB836B-EHT)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- WDR for Unparalleled Visibility in Extremely Bright and Dark Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- 3D Noise Reduction for Low-light Conditions
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Extreme Weather Support with PoE (IB836B-EHF3, IB836B-EHT)
- VIVOTEK VCA (Video Content Analysis) Support

VIVOTEK SNV Camera - Show you true colors at night

Ordinary Camera
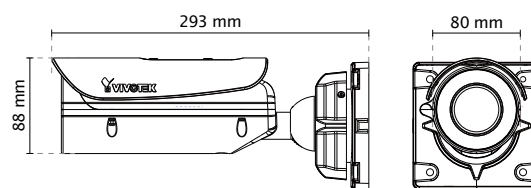

Extreme Weather

Station

Entrance

Street

Technical Specifications

Model	IB836B-HF3/IB836B-EHF3 IB836B-HT/IB836B-EHT

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	Vari-focal, Remote Focus (IB836B-HT/-EHT)
Focal Length	IB836B-HF3/-EHF3: f = 3.6 mm IB836B-HT/-EHT: f = 2.8 ~ 12 mm
Aperture	IB836B-HF3/-EHF3: F2.1 IB836B-HT/-EHT: F1.8 ~ F2.85
Auto-iris	P-iris (IB836B-HT/IB836B-EHT)
Field of View	IB836B-HF3/-EHF3: 110˚ (Horizontal) 64˚ (Vertical) 135˚ (Diagonal) IB836B-HT/-EHT: 42˚ ~ 110˚ (Horizontal) 26˚ ~ 61˚ (Vertical) 49˚ ~ 134˚ (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	IB836B-HF3/-EHF3: 0.06 Lux @ F2.1 (Color) 0.001 Lux @ F2.1 (B/W) IB836B-HT/-EHT: 0.03 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	SD/SDHC/SDXC card slot

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	4 simultaneous streams
S/N Ratio	Above 58 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate
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, Seamless recording, Smart Stream, 3D Noise Reduction, Video Rotation, Defog

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, UDP, ICMP, ARP, SSL, TLS
Interface	10Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 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

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

General

Smart Focus System	IB836B-HT/-EHT: 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 IEEE 802.3at PoE
Power Consumption	IB836B-HF3: Max. 7.5 W (DC 12V) Max. 9 W (PoE) IB836B-EHF3/-EHT: Max. 21/11.5 W (DC 12V-Heater on/off) Max. 25/13 W (PoE-Heater on/off) IB836B-HT: Max. 11.5 W (DC 12V) Max. 13 W (PoE)
Dimensions	Ø 88 x 293 mm
Weight	Net: 1264 g
Casing	Weather-proof IP66-rated housing, IK10 (Camera body)
Safety Certifications	IB836B-HF3/-EHF3: CE, LVD, FCC ClassB, VCCI, C-Tick, IB836B-HT/-EHT: CE, LVD, FCC ClassA, VCCI, C-Tick, UL
Operating Temperature	IB836B-HF3/-HT: Starting Temperature: -10˚C ~ 50˚C (14˚F~ 122˚F) Working Temperature: -20˚C ~ 50˚C (-4˚F~ 122˚F) IB836B-EHF3/-EHT: Starting Temperature: -40˚C ~ 50˚C (-40˚F ~ 122˚F) Working Temperature: -50˚C ~ 50˚C (-58˚F ~ 122˚F)
Warranty	IB836B-HF3/-EHF3: 24 months IB836B-HT/-EHT: 36 months

System Requirements

Operating System	Microsoft Windows 7/8/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (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, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, sun shield, wall mount bracket, alignment sticker/desiccant bag, waterproof connector, screw pack

Dimensions

293 mm   80 mm   88 mm

* Available per project request

Compatible Accessories

Mounting Kits

AM-311 — Pole Mount Adaptor

AM-411 — Corner Mount Adaptor

AM-714 — Junction Box