VIVOTEK

IB836BA-HT/EHT
IB836BA-HF3/EHF3

Bullet Network Camera

2MP · WDR · 30M IR · IP66 · IK10 · Extreme Weather · Smart Stream · Smart IR · Video Rotation · Defog

VIVOTEK's IB836BA-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 WDR sensor enabling viewing resolution of 1920x1080 at 30 fps, the IB836BA-H is an all-in-one outdoor camera capable of capturing high quality video at high resolutions of up to 2 Megapixel.

The IB836BA-H series provides flexible options for both fixed focus for simple operation, and remote focus with built-in stepping motors and P-iris to provide precise adjustments remotely. In order to adapt to constantly changing outdoor lighting conditions, the IB836BA-H series features a removable IR-cut filter as well as IR illuminators effective up to 30M for superior image quality around the clock. Featuring the Wide Dynamic Range Technology, it provides improved visibility in the extremely dark & light environment. As a professional day/night camera, the IB836BA-H series also adopts a Smart IR

technology which prevents overexposure and provides noise reduction to adjust the IR lighting intensity instantaneously based on the changes of light in the ambient environment.

For protection against harsh outdoor environments, the IB836BA-H series is encased in a weather-proof IP66-rated housing, making it impervious to rain and dust. The robustness of the IB836BA-H series is further strengthened by the adoption of rugged IK10 design housing.

Additionally, a wide operating temperature range further enhances the IB836BA-H's performance and reliability in extremely cold or hot temperatures, even when using PoE. When choosing VIVOTEK IB836BA-H series, users have four options: the IB836BA-HT, IB836BA-EHT, IB836BA-HF3, and IB836BA-EHF3. Different options can be chosen based on the requirements of your application, such as focusing method or operating environment temperature.
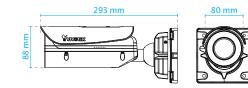
Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- 2.8 ~ 12 mm, Vari-focal, Remote Focus, P-iris Lens (IB836BA-HT/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

- 3D Noise Reduction
- Real-time H.264, and MJPEG Compression
- Video Rotation for Corridor View
- Weather-proof IP66 and Vandal-proof IK10-rated Housing
- Extreme Weather Support with PoE (IB836BA-EHT/EHF3)
- VIVOTEK VCA (Video Content Analysis) Support

Technical Specifications

Model	IB836BA-HT: Vari-focal, P-iris, Remote Focus IB836BA-EHT: Vari-focal, P-iris, Remote Focus, Extreme Weather IB836BA-HF3: Fixed-focal IB836BA-EHF3: Fixed-focal, Extreme Weather

System Information

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

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	IB836BA-HT/EHT: Vari-focal, Remote Focus IB836BA-HF3/EHF3: Fixed-focal
Focal Length	IB836BA-HT/EHT: f = 2.8 ~ 12 mm IB836BA-HF3/EHF3: f = 3.6 mm
Aperture	IB836BA-HT/EHT: F1.8 ~ F2.85 IB836BA-HF3/EHF3: F2.1
Auto-iris	P-iris (IB836BA-HT/EHT)
Field of View	IB836BA-HT/EHT: 34˚ ~ 112˚ (Horizontal) 19˚ ~ 59˚ (Vertical) 39˚ ~ 133˚ (Diagonal) IB836BA-HF3/EHF3: 90˚ (Horizontal) 46˚ (Vertical) 108˚ (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	IB836BA-HT/EHT: 0.12 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W) IB836BA-HF3/EHF3: 0.16 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (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: 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	66dB
Dynamic Range	100dB
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 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 *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	Remote Focus (IB836BA-HT/EHT)
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 IB836BA-HT/HF3: IEEE 802.3af/at PoE Class 0 IB836BA-EHT/EHF3: IEEE 802.3at PoE Class 4
Power Consumption	IB836BA-HT: Max. 13 W IB836BA-EHT/EHF3: Max. 25 W (Heater on) IB836BA-HF3: Max. 9 W
Dimensions	Ø 88 x 293 mm
Weight	Net: 1264 g
Casing	Weather-proof IP66-rated housing (Camera body) Vandal-proof IK10-rated metal housing (Camera body)
Safety Certifications	IB836BA-HT/EHT: CE, LVD, FCC Class A, VCCI, C-Tick, UL IB836BA-HF3/EHF3: CE, LVD, FCC Class A, VCCI, C-Tick
Operating Temperature	IB836BA-HT/HF3: Starting Temperature: -10˚C ~ 50˚C (14˚F ~ 122˚F) Working Temperature: -20˚C ~ 50˚C (-4˚F ~ 122˚F) IB836BA-EHT/EHF3: Starting Temperature: -40˚C ~ 50˚C (-40˚F ~ 122˚F) Working Temperature: -50˚C ~ 50˚C (-58˚F ~ 122˚F)
Warranty	IB836BA-HT/EHT: 36 months IB836BA-HF3/EHF3: 24 months

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, VAST 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

Compatible Accessories

Mounting Kits			PoE Kits
AM-312 Pole Mount Adapter	AM-412 Corner Mount Adapter	AM-714 Junction Box	AP-FXC-0250 Outdoor 2-Port FE PoE Extender