VIVOTEK

IB9389-H/EH
IB9389-HM/EHM
IB9389-HT/EHT
Bullet Network Camera

5MP 30 fps • 2MP 60 fps • H.265 • 30M IR • WDR Pro •
SNV • Smart Stream III • IP66 • IK10

VIVOTEK's IB9389 series is a H.265 bullet network camera equipped with a 5-Megapixel sensor, enabling resolution of 2560 x1920 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, the IB9389 series is capable of capturing high-quality imagery in both high-contrast and low-light environments.

The IB9389 series offers various lens options for different user scenarios: fixed focus, manual focus, and remote focus lenses. The camera is equipped with IR illuminators with a 30-meter effective range for better night visibility. To provide reliable coverage in harsh outdoor environments, the IB9389 series is encased in IP66 and IK10 housing.

The IB9389 series comes with VIVOTEK's Smart Stream III technology and H.265 codec support. It is capable of reducing bandwidth consumption to 90%* while maintaining supreme image quality. Additionally, VIVOTEK's VADP (VIVOTEK Application Development Platform) allows users to customize applications for the ever-expanding number of user scenarios in the diversified surveillance market.

* Depending on scenes

Key Features

· 30 fps @ 2560x1920, 60 fps @ 1920x1080 (WDR Pro on)
· H.265 Compression Technology
· Smart Stream III to Optimize Bandwidth Efficiency
· WDR Pro (120 dB) for Unparalleled Visibility in Extremely Bright and Dark Environments
· SNV (Supreme Night Visibility) for Low Light Conditions
· Built-in IR Illuminators, effective up to 30 Meters
· Smart IR Technology to Avoid Overexposure
· Trend Micro IoT Security within Standard Warranty Period
· Weather-proof IP66-rated and Vandal-proof IK10-rated Housing

Without WDR Pro · With WDR Pro

Bitrate

Bandwidth Saving
more than **90%**

H.264 · H.265 + Smart Stream III · Compression
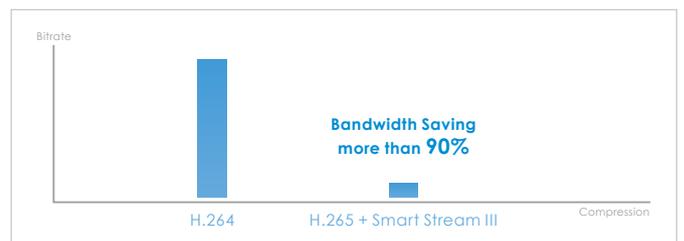
H.265 + Smart Stream III, Ultra-low Bandwidth

Technical Specifications

Model	IB9389-H IB9389-EH IB9389-HM IB9389-EHM IB9389-HT IB9389-EHT

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	IB9389-H/EH: Fixed-focal IB9389-HM/EHM: Vari-focal, Manual Focus IB9389-HT/EHT: Motorized, Vari-focal, Remote Focus
Focal Length	IB9389-H/EH: f = 3.6 mm IB9389-HM/EHM: f = 2.8 ~ 12 mm IB9389-HT/EHT: f = 3.7 ~ 7.7 mm
Aperture	IB9389-H/EH: F2.0 IB9389-HM/EHM: F1.4 (W) ~ F2.8 (T) IB9389-HT/EHT: F1.9 (W) ~ F2.9 (T)
Iris type	IB9389-HV/EHV/HTV/EHTV: Fixed iris IB9389-HMV/EHMV: DC-iris
Field of View	IB9389-H/EH: 76° (Horizontal) 56° (Vertical) 100° (Diagonal) IB9389-HM/EHM: 81° ~ 30° (Horizontal) 60° ~ 23° (Vertical) 104° ~ 38° (Diagonal) IB9389-HT/EHT: 80° ~ 38° (Horizontal) 60° ~ 29° (Vertical) 101° ~ 48° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR LED*4
Minimum Illumination	IB9389-H/EH: 0.06 lux @ F2.0 (Color) 0.01 lux @ F2.0 (B/W) 0 lux with IR illumination on IB9389-HM/EHM: 0.07 lux @ F1.4 (Color) 0.01 lux @ F1.4 (B/W) 0 lux with IR illumination on IB9389-HT/EHT: 0.06 lux @ F1.9 (Color) 0.01 lux @ F1.9 (B/W) 0 lux with IR illumination on
Tilt Range	90°
Rotation Range	180°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)

Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)
Built-in Installation Aids	IB9389-HT/EHT: Remote focus, remote zoom

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	IB9389-H/EH: 51 dB IB9389-HM/EHM: 53 dB IB9389-HT/EHT: 55 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control, AE speed adjustment, WDR; Focus (IB9389-HT/EHT): zoom, focus; Privacy mask; Scheduled profile settings

Network

Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS , IEEE 802.1x, Password protection, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
Interface	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.
ONVIF	Profile G, S, T supported, specification available at www.onvif.org

Solution Integration

Smart Motion Detection	IB9389-H/EH/HT/EHT: Five-window video motion detection, people detection, time filter
Video Motion Detection	IB9389-HM/EHM: Five-window video motion detection
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection

Technical Specifications

VADP Package	Deep Learning VCA (*Smart Motion Detection, Smart VCA), Trend Micro IoT Security (3-year free trial) *Smart Motion Detection is only for IB9389-H/EH, IB9389-HT/EHT.

Alarm and Event

Event Trigger	Camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

General

Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection
LED Indicator	System power and status indicator
Power Input	IB9389-H/HM/HT: IEEE 802.3af PoE Class 0 IB9389-EH/EHM/EHT: IEEE 802.3at PoE Class 4
Power Consumption	IB9389-H: Max. 8 W (IR on) Max. 5.5 W (IR off) IB9389-EH: Max. 19.2 W (Heater on) Max. 8 W (Heater off) IB9389-HM: Max. 9.5 W (IR on) Max. 5.5 W (IR off) IB9389-EHM: Max. 23.5 W (Heater on) Max. 9.5 W (Heater off) IB9389-HT: Max. 10 W (IR on) Max. 6 W (IR off) IB9389-EHT: Max. 22.1 W (Heater on) Max. 10 W (Heater off)
Dimensions	IB9389-H/EH: Ø 86 x 300 mm IB9389-HM/EHM: Ø 86 x 327 mm IB9389-HT/EHT: Ø 86 x 303 mm
Weight	IB9389-H/EH: 1 kg IB9389-HM/EHM: 1.08 kg IB9389-HT/EHT: 1 kg
Certifications	EMC: CE (EN 55032 Class A, EN 55024, EN50121-4), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32), VCCI (VCCI-CISPR 32 Class A); Safety: Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252) for IB9389-H

Operating Temperature	IB9389-H/HM/HT: Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F) IB9389-EH/EHM/EHT: Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above

Included Accessories

Packing Contents	Quick installation guide, alignment sticker, screw pack

Dimensions

IB9389-H/EH

Ø 86 mm   Ø 300 mm

IB9389-HM/EHM

Ø 86 mm   327 mm

IB9389-HT/EHT

Ø 86 mm   303 mm
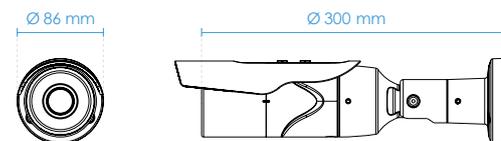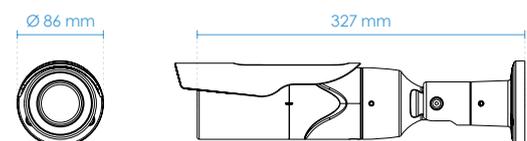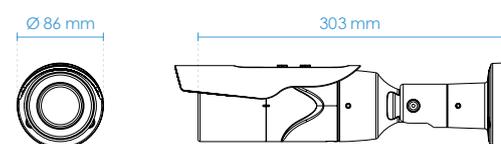
Compatible Accessories

Mounting Kits			
AM-312 Pole Mount Adapter	AM-412 Corner Mount Adapter	AM-523 Adapting Plate	AM-71C Outdoor Junction Box

Ordering Information

Model	Description	Part Number
IB9389-H	5MP, 30fps, 3.6mm, 30M IR, Smart Stream III, -30°C ~ 60°C	100202000G
IB9389-HM*	5MP, 30fps, 2.8~12mm, 30M IR, Smart Stream III, -30°C ~ 60°C	100202300G
IB9389-HT*	5MP, 30fps, 3.7~7.7mm, 30M IR, Smart Stream III, -30°C ~ 60°C	100202600G
IB9389-EH*	5MP, 30fps, 3.6mm, 30M IR, Smart Stream III, -50°C ~ 60°C	100202200G
IB9389-EHM*	5MP, 30fps, 2.8~12mm, 30M IR, Smart Stream III, -50°C ~ 60°C	100202500G
IB9389-EHT*	5MP, 30fps, 3.7~7.7mm, 30M IR, Smart Stream III, -50°C ~ 60°C	100202800G
IB9389-H (w/ cable)*	5MP, 30fps, 3.6mm, 30M IR, Smart Stream III, -30°C ~ 60°C, w/ cable	100202100G
IB9389-HM (w/ cable)*	5MP, 30fps, 2.8~12mm, 30M IR, Smart Stream III, -30°C ~ 60°C, w/ cable	100202400G
IB9389-HT (w/ cable)*	5MP, 30fps, 3.7~7.7mm, 30M IR, Smart Stream III, -30°C ~ 60°C, w/ cable	100202700G

*The stock levels may vary by region. Please contact your local sales representative for further inquiry.