VIVOTEK

S series IB9365-HT
S series IB9365-EHT

Bullet Network Camera

2MP 60 fps • SNV II • WDR Pro II • Smart Stream III •
Smart IR II • 50/100M IR • IK10 • NEMA 4X

The IB9365 series is the new flagship outdoor bullet network camera from VIVOTEK, equipped with a full HD sensor capable of 1920x1080 resolution at 60 fps. With the most updated VIVOTEK SNV and WDR Pro technology, the IB9365 series is capable of capturing the highest quality images in both low light and high contrast environments.
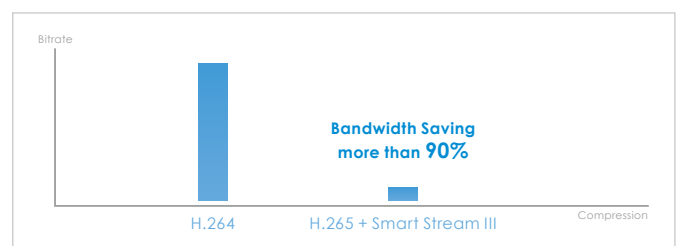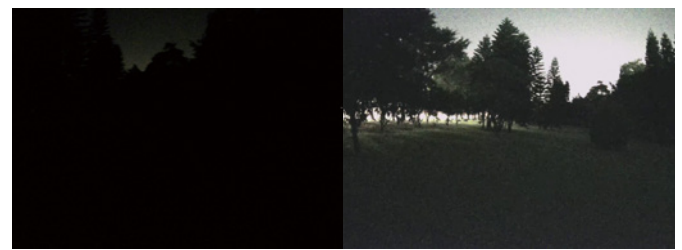
The IB9365 series also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the IB9365 IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, reduces IR hotspots, and increases the IR effective range up to 100 meters.

Additionally, the IB9365 series employs VIVOTEK's Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%* while still maintaining excellent image quality compared to traditional H.264 without smart streaming. Furthermore, the VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to add customized programs for various applications and user scenarios. Protecting all these features is the IB9365's IP66, IK10 and NEMA 4X rated housing, capable of operating from -50°C to 60°C (IB9365-EHT).

* Depending on scenes

Key Features

· 60 fps @ 1920x1080
· H.265 Compression Technology
· 4 ~ 9 mm / 12 ~ 40 mm, Remote Focus, P-iris Lens
· Smart Stream III to Optimize Bandwidth Efficiency
· SNV II (Supreme Night Visibility) for Low Light Conditions
· WDR Pro II (140dB) to Provide Extreme Visibility in Extremely Bright or Dark Environments
· Built-in IR Illuminators, Effective up to 100 Meters
· Smart IR II Technology to Avoid Overexposure
· Smart Motion Detection to Reduce False Alarms
· Trend Micro IoT Security
· Weather-proof IP66, Vandal-proof IK10 and NEMA 4X-rated Housing
· -50°C ~ 60°C Wide Temperature Range for Extreme Weather Conditions (IB9365-EHT)

Without SNV II   With SNV II

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	IB9365-HT: Motorized, Vari-focal, Remote Focus IB9365-EHT: Motorized, Vari-focal, Remote Focus, -50 °C ~ 60 °C

System Information

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

Camera Features

Image Sensor	1/2 Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	Motorized, Vari-focal, Remote focus
Focal Length	IB9365-HT/EHT(4-9mm): f = 4 ~ 9 mm (f = 3.5 ~ 11.4 mm, equivalent focal length @ 1/2.8") IB9365-HT/EHT(12-40mm): f = 12 ~ 40 mm
Aperture	IB9365-HT/EHT(4-9mm): F1.3 ~ F2.2 IB9365-HT/EHT(12-40mm): F1.8
Iris type	P-iris
Field of View	IB9365-HT/EHT(4-9mm): 46° ~ 100° (Horizontal) 26° ~ 52° (Vertical) 53° ~ 120° (Diagonal) IB9365-HT/EHT(12-40mm): 12° ~ 35° (Horizontal) 7° ~ 19° (Vertical) 14° ~ 40° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro II
Day/Night	Yes
Removable IR-cut filter	Yes
IR Illuminators	IB9365-HT/EHT(4-9mm): Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*5 IB9365-HT/EHT(12-40mm): Built-in IR illuminators, effective up to 100 meters with Smart IR II, IR LED*4
Minimum Illumination	IB9365-HT/IB9365-EHT (4-9mm): 0.01 Lux @ F1.3 (Color), 50IRE 0.002 Lux @ F1.3 (Color), 30IRE <0.005 Lux @ F1.3 (B/W) 0 Lux with IR illumination on IB9365-HT/EHT(12-40mm): 0.06 Lux @ F1.8 (Color), 50IRE 0.03 Lux @ F1.8 (Color), 30IRE <0.005 Lux @ F1.8 (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)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080
Maximum Streams	4 simultaneous streams
S/N Ratio	66 dB
Dynamic Range	140 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III
Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, video rotation, 3DNR, DIS, HLC, defog, deblur, metering

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	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, 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	Supported, specification available at www.onvif.org

System Integration

Smart Motion Detection	Five-window video motion detection, people detection, time filter
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection *Please access http://license.vivotek.com/ to get the free trial license.
VADP Package	Trend Micro IoT Security, Deep Learning VCA (Smart Motion Detection, Smart VCA)

Alarm and Event

|	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, shock detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)
Alarm Events	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

Technical Specifications

General

Connectors	RJ-45 cable connector for 10/100Mpbs Network/PoE connection Audio input Audio output AC 24 V DC 12 V Digital input *2 Digital output *2 BNC out
LED Indicator	System power and status indicator
Power Input	IB9365-HT: AC 24V, DC 12V, IEEE 802.3af PoE Class 0 IB9365-EHT: AC 24V, DC 12V, IEEE 802.3at PoE Class 4
Power Consumption	IB9365-HT: PoE: Max. 11.9 W DC 12V: Max. 9 W AC 24V: Max. 10.5 W IB9365-EHT: PoE: Max. 24.8/11.9 W (Heater on/off) DC 12V: Max. 19.5/9 W (Heater on/off) AC 24V: Max. 21.8/10.5 W (Heater on/off)
Dimensions	IB9365-HT/EHT(4-9mm): 121 x 121 x 415 mm (w/ junction box) 121 x 121 x 351 mm (w/o junction box) IB9365-HT/EHT(12-40mm): 121 x 121 x 444 mm (w/ junction box) 121 x 121 x 380 mm (w/o junction box)
Weight	IB9365-HT/EHT(4-9mm): 1,942 g (w/ junction box) 1,475 g (w/o junction box) IB9365-HT/EHT(12-40mm): 2,116 g (w/ junction box) 1,649 g (w/o junction box)
Casing	IP66, IK10 (Metal Housing), NEMA 4X
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL, EN50121-4
Operating Temperature	IB9365-HT: Starting Temperature: -10°C ~ 60°C (14°F ~ 140°F) Working Temperature (IR off): -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature (IR on): -30°C ~ 50°C (-22°F ~ 122°F) IB9365-EHT: Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature (IR off): -50°C ~ 60°C (-22°F ~ 140°F) Working Temperature (IR on): -50°C ~ 50°C (-22°F ~ 122°F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 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

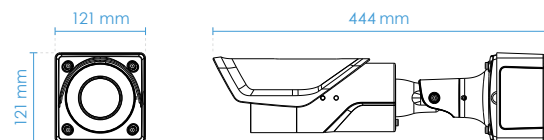|	
Others	Quick installation guide, warranty card, screw pack, alignment sticker, junction box

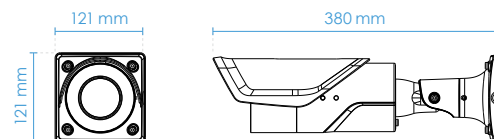## Dimensions

IB9365-HT/EHT(4-9mm)

w/ junction box

121 mm | 121 mm | 415 mm

w/o junction box

121 mm | 121 mm | 351 mm
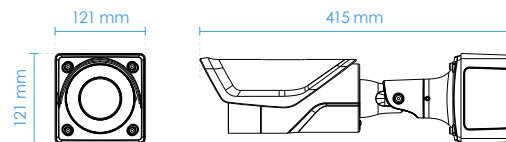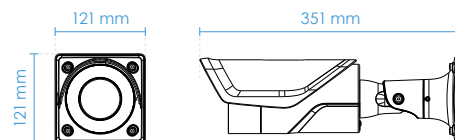
IB9365-HT/EHT(12-40mm)

w/ junction box

121 mm | 121 mm | 444 mm

w/o junction box

121 mm | 121 mm | 380 mm

Compatible Accessories

Mounting Kits

AM-719*	AM-312	AM-412
Junction Box (Standard Package)	Pole Mount Adapter	Corner Mount Adapter

*For USA and Canada markets, the junction box (AM-719) is not included.