





8MP 30fps • 2MP 120fps • SNV • WDR Pro • Smart Stream III • 50M IR • IP67 • IK10 • NEMA 4X

The IB9391-EHT is the new flagship outdoor bullet network camera from VIVOTEK, equipped with a 4K ultra HD sensor capable of 3840x2160 resolution at 30 fps. With the latest in VIVOTEK WDR Pro technology, the IB9391-EHT is capable of capturing the highest quality images in high contrast environments.

The IB9391-EHT also supports standard 1920x1080 HD resolution at 120 frames per second, capable of catching very fast moving objects. Additionally, the IB9391-EHT employs VIVOTEK's Smart

Stream III technology and H.265 compression codec, reducing bandwidth more than 90% while still maintaining excellent image quality. Protecting all these features is the IB9391-EHT's IP66, IP67, IK10 and NEMA 4X certified housing, capable of operating in temperatures from -50°C to 60°C.

* Depending on the scene

Key Features

- · H.265 Compression Technology
- · 30 fps @ 3840x2160 (WDR Pro on)
- · 120 fps @ 1920x1080 (WDR Pro off)
- · Smart Stream III to Optimize Bandwidth Efficiency
- · Built-in IR Illuminators, Effective up to 50 Meters
- · Smart IR II Technology to Avoid Overexposure
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- · SNV (Supreme Night Visibility) for Low Light Conditions
- Weather-proof IP66/IP67, Vandal-proof IK10 and NEMA 4X-rated Housing
- \cdot -50°C \sim 60°C Wide Temperature Range for Extreme Weather Conditions (IR Off)
- · Trend Micro IoT Security
- · Smart Motion Detection to Reduce False Alarms









2MP Resolution

4K Resolution

Technical Specifications

Audio

Max. Resolution 3840x2160 SMTP, SMMP, SSL, TCP/IP, TLS, UDP, UPnP	_			
Property Multimedia Soc System-on-Chip Interface Ederaci microphone input Extension interphane input Extension in output Extension in out	Model	IB9391-EHT	Audio Capability	Two-Way Audio (full duplex)
Reference Patential Resource Patential Resour	System Information		Compression	G.711, G.726
Camera Features Camera Features Camera Features	CPU	Multimedia SoC (System-on-Chip)	Interface	
Comera Features Users Us	Flash	128MB	Network	
Image Sensor 1/2" Progressive CMOS Fredocals Se02.1X, ARP, Benjour, CIRS/SMB, CoS, DD DHCP, DMS, FIF HTTP, HTTP, HTTP, HTTPS, LCMP, MRY PROPOS (S. KTSYNER/PROPOS) PMC-PRO-MS, FIF HTTP, HTTPS, LCMP, MRY PROPOS (S. KTSYNER/PROPOS) PMC-PRO-MS, TEST,	RAM	1GB	Users	Live viewing for up to 10 clients
Image Sensor 1/2" Progressive CMOS Protocols DRICP, DRS, FIP, HTTP, HTTP, CAS, RISP/RIPPOR (ASK RISP	Camera Features			
Max. Resolution 3840/2160 Lens Type Motorized, Vari-focal, Remote Focus Focol Lengtin f = 3.9 ~ 10 mm Aperture F1.5 ~ F2.7 Iffis type P-iris Noty F1.5 ~ F2.7 ONVIF Supported, specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are complication for specification available of use standor CAIse & CAIs cables which are capital to use standor CAIse & CAIs cables which are capital cables of the specification of the capital cables of the specification of the capital cables of the	Image Sensor	1/2" Progressive CMOS	Protocols	DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPOE, QoS, RTSP/RTP/RTCP,
Ent type	Max. Resolution	3840x2160		
Aperture F1.5 - F2.7 Iris type P-iris Supported, specification available at www.orvit.org Field of View 25° - 52° (Morticon) 52° - 111° (Pilogonal) 52° - 110°	Lens Type	Motorized, Vari-focal, Remote Focus	Interface	(RJ-45)
Public Name F1.5 - F2.7 Horizontal) Public Name	Focal Length	f = 3.9 ~ 10 mm	inenace	CAT5e & CAT6 cables which are compliant
Field of View	Aperture	F1.5 ~ F2.7	2.0.0	
Smart Motion Detection Smart Motion Detection Five-window video motion detection, people detection, time filter	Iris type	P-iris	ONVIF	
Shutter Time 1/5 sec. to 1/32,000 sec. WDR Pro	Field of View		Solution Integration	
MDR Fechnology WDR Pro Minimum illumination O.02 Lux @ F1.5 (Color) O.01 Lux @ F1.5 (E/VI) O.01 Lux @ F1.5 (E	TIGIG OF VIOW		Smart Motion Detection	
Minimum Illumination O.02 Lux @ F1.5 (Color) O.01 Lux @ F1.5 (Color) O.01 Lux @ F1.5 (Color) O.01 Lux @ F1.5 (Extension of Please access https://license.vivotek.cc to get the free trial license.	Shutter Time	1/5 sec. to 1/32,000 sec.		Intrusion detection, loitering detection, line
Minimum Illumination OUTLING #FLS (EAM) OLUX with IR illumination on Day/Night Yes VADP Package Deep Learning VCA (Smart Motion Delection, Smart VCA), Trend Micro IoT Removable IR-cut Filler Tilt Range 90° Rotation Range 180° Rotation Range ePTZ: 48x digital zoom (4x on Iz plug-in-12x built in) RI Illuminators Built-in IR Illuminators up to 50 meters with Smart IR Ill On-board Storage Siot type; MicroSD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H244, MJPEG Maximum Frame Rate Maximum Streams 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) Syn Ratio O.5 dB Dynamic Range Adjustable resolution, quality and bit rate; Irime stamp, text overlay, flip & micro: conflagoal beinghness, contrast, saturation, shorpness, white balance, exposure composition, privacy masks; Scheduled profile settings, ederg, 30 hr, wide or ordinosity, and or ordinosity and ordinosity, wide or ordinosity, wide or ordinosity, wide or ordinosity, and or ordinosity and ordinosity, wide or ordinosity, wide ordinosity, wi	WDR Technology	WDR Pro	Smart VCA	detection, missing object detection, face
Removable IR-cut Filter Tilt Range 90° Rotation Range 180° Pan/Tilt/Zoom Functionalities Rulliuminators Built-in IR Illuminators up to 50 meters with Seamless Recording On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) 1	Minimum Illumination	0.01 Lux @ F1.5 (B/W)		*Please access https://license.vivotek.com/
Tilit Range 90°	Day/Night	Yes	VADP Package	
Relation Range 180° Rotation Range 180° Pan/Tilt/Zoom ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in) IR Illuminators Built-in IR Illuminators up to 50 meters with Smart IR II On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording Alarm Events Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD card FTP, NAS server, SD card	Removable IR-cut Filter	Yes	Alarm and Event	
Rotation Range 180° Pan/Tilt/Zoom	Tilt Range	90°		Motion detection,manual trigger, digital
Pan/Tilit/Zoom Functionalities Pen/Tilit/Zoom Pen/Tilit/Zoom Functionalities Pen/Tilit/Zoom Pen/Tilit/Zoom Punctionalities Pen/Tilit/Zoom Punctionalities Pen/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/Tilit/T	Rotation Range	180°		recording notification, camera tampering
Smart IR II On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording Alarm Events Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording Alarm Events Alarm Events Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD c File upload via email, HTTP, FTP, NAS server, SD c ard Compression H265, H264, MJPEG Maximum Frame Rate 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) Maximum Streams 3 simultaneous streams S/N Ratio 60.5 dB Connectors Connectors Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD c File upload via email, HTTP, FTP, NAS server, SD cerd value output in the pload via email, HTTP, FTP, NAS server, SD cerd value output in the pload via email, HTTP, FTP, NAS server, SD cerd value output in the pload via email, HTTP, FTP, NAS server, SD card value output in the pload via email, HTTP, FTP, NAS server, SD card value output in the pload via email, HTTP, FTP, NAS server, SD card value out			Alarm Triggers	detection, SD card life expectancy, cybersecurity events (brute force attack
On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording Alarm Events Alarm Events Output, email, HTTP, FTP, NAS server, SD c File upload via email, HTTP, FTP, NAS server, SD c relie upload via email, HTTP, FTP, NAS server, SD card Video Compression H265, H264, MJPEG Maximum Frame Rate 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) Maximum Streams 3 simultaneous streams S/N Ratio 60.5 dB Connectors Connectors Connectors Connectors Audio input*1 DC 12V power input*1 Digital input*1 Digital input*1 Digital output*1 Digital output*1 Video Streaming Adjustable resolution, quality and bit rate control, Smart Stream III Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; configurable brightness, contrast, saturation, sharpness, white balcance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, defag, 3DNR, video rotation,	IR Illuminators			
Compression H265, H264, MJPEG Maximum Frame Rate 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) Maximum Streams 3 simultaneous streams S/N Ratio 60.5 dB Dynamic Range 120 dB LED Indicator LED Indicator Power Input Ac 24V Power and status indicator IEEE 802.3at Class4 POE DC 12V AC 24V Power redundancy Ac 24V Power redundancy Power Consumption Poer Consumption Power Consumption Power Consumption RJ-45 cable connector for Network 10/100/1000 Mbps PoE connection* Network 10/100/1000 Mbps PoE connection* Network 10/100/1000 Mbps PoE connection* 10/100/1	On-board Storage		Alarm Events	output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server,
Maximum Frame Rate 30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off) Maximum Streams 3 simultaneous streams S/N Ratio 60.5 dB Connectors Connectors Connectors Connectors Connectors Connectors RJ-45 cable connector for Network 10/100/1000 Mbps PoE connection*1 Audio output*1 DC 12V power input*1 Digital input*1 Digital input*1 Digital output*1 Digital output*1 Digital output*1 Power Input Adjustable image size, quality and bit rate control, Smart Stream III 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, defog, 3DNR, video rotation, Power Consumption RJ-45 cable connector for Network 10/100/1000 Mbps PoE connection*1 Audio output*1 Audio output*1 DC 12V power input*1 Digital output*1 DC 12V AC 24V Power and status indicator IEEE 802.3at Class4 PoE DC 12V AC 24V Power redundancy PoE: Max. 24.8 W DC 12V: Max. 21. W AC 24V:	Video		General	
Maximum Frame Rate 120 fps @ 1920x1080 (WDR Pro off) 120 fps @ 1920x1080 (WDR Pro off)	Compression	H265, H264, MJPEG		RJ-45 cable connector for Network
Maximum Streams 3 simultaneous streams AC 24V power input *1 Digital input*1 Digital output*1 Digital output*1 Digital output*1 Digital output*1 Digital output*1 EED Indicator Video Streaming Adjustable resolution, quality and bit rate control, Smart Stream III 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, defog, 3DNR, video rotation,	Maximum Frame Rate		Connectors	Audio input*1 Audio output*1
Dynamic Range 120 dB LED Indicator System power and status indicator Video Streaming Adjustable resolution, quality and bit rate control, Smart Stream III 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, defog, 3DNR, video rotation,	Maximum Streams	3 simultaneous streams	Commocions	AC 24V power input *1
Video Streaming Adjustable resolution, quality and bit rate control, Smart Stream III 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, defog, 3DNR, video rotation, Power Input BEEE 802.3at Class4 PoE DC 12V AC 24V Power redundancy PoE: Max. 24.8 W DC 12V: Max. 21 W AC 24V:	S/N Ratio	60.5 dB		
Video Streaming Control, Smart Stream III 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, defog, 3DNR, video rotation, Power Input DC 12V AC 24V Power redundancy PoE: Max. 24.8 W DC 12V: Max. 21 W AC 24V:	Dynamic Range	120 dB	LED Indicator	System power and status indicator
Image Settings Image Settings	Video Streaming		Power Input	DC 12V
	Image Settings	rate; Time stamp, text overlay, flip & mirror; configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, defog, 3DNR, video rotation,	Power Consumption	PoE: Max. 24.8 W DC 12V: Max. 21 W AC 24V:

Technical Specifications

Dimensions	121 x 121 x 394 mm (w/ junction box) 118 x 118 x 333 mm (w/o junction box)
Weight	2,235 g (w/ junction box) 1,755 g (w/o junction box)
Casing	IP66, IP67, IK10, NEMA 4X
Safety Certifications	CE, FCC Class A, VCCI, C-tick, UL, BIS
Operating Temperature	Starting Temperature: $-40^{\circ}\text{C} \sim 60^{\circ}\text{C} (-40^{\circ}\text{F} \sim 140^{\circ}\text{F})$ Working Temperature (IR off): $-50^{\circ}\text{C} \sim 60^{\circ}\text{C} (-58^{\circ}\text{F} \sim 140^{\circ}\text{F})$ Working Temperature (IR on): $-50^{\circ}\text{C} \sim 50^{\circ}\text{C} (-58^{\circ}\text{F} \sim 122^{\circ}\text{F})$
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, desiccant bag, waterproof accessory bag, junction box, sunshield
Dimensions	
w/o Junction Box	
118 mm	333 mm
000	
w/ Junction Box	394 mm

Compatible Accessories

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



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