





IB8338-H/38-HR

Bullet Network Camera



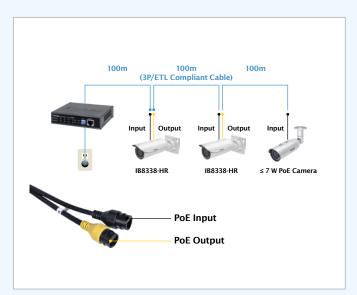
1MP · 30M IR · IP66 · Smart Stream · WDR Pro · Embedded PoE Extender

The VIVOTEK IB8338-H/38-HR is a sleek, bullet-style network camera designed for diverse outdoor applications. Equipped with a 1MP sensor enabling a viewing resolution of 720P at a smooth 30 fps, the IB8338-H/38-HR is an all-in-one outdoor camera capable of capturing crystal clear images, even in high-contrast lighting conditions. The IB8338-H/38-HR is also equipped with VIVOTEK Smart Stream and 3DNR to save substantial bandwidth for our users.

To suit various outdoor applications and ease cable deployment, the IB8338-HR is the first network camera in the surveillance market designed with an embedded extender to allow PoE input and PoE output. With the IB8338-HR, users can implement a total PoE solution simply and quickly.

Key Features

- · 1-Megapixel CMOS Sensor
- · 30 fps @ 1280x800
- \cdot 2.8 \sim 12 mm Vari-focal, P-iris Lens
- · Removable IR-cut Filter for Day & Night Function
- · Built-in IR Illuminators, Effective up to 30 Meters
- \cdot Real-time H.264, and MJPEG Compression
- · Two-way Audio
- WDR Pro for Clear Visibility in Extremely Bright and Dark Environments
- · Weather-proof IP66-rated Housing
- \cdot 3D Noise Reduction
- Embedded PoE Extender Design to Support Both PoE Input & Output (IB8338-HR)



Embedded PoE Extender



Crossroad



Outdoor Sidewalk



Parking Lot



Factory

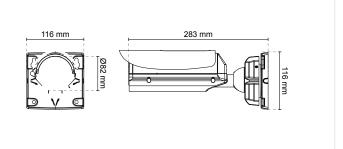


Technical Specifications

Model IB8338-H (with bull-in POE Extender)	reemieur speemeurons	
CPU Multimedia SoC (System-on-Chip) Flash 128M8 RAM 256M8 Camera Features Image Sensor 1/3" Progressive CMOS Maximum Resolution 1280x800 Lens Type Vari-focal, Manual Focus Focal Length f = 2.8 – 1.2 mm Aperture F1.8 – F2.85 Auto-iris P-Iris Fled of View 33" – 87" (Indicantal) 39" – 110" (Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Day/Night Removable IR cut filter for day & night function Minimum Illumination 0.27 Lux # F1.8 (Color) (Onto 1.2 kg W) Par/till/zoom Functionalities eP1.8 (RW) Filt Libro South Sharar IR IR Illuminators, effective up to 30 meters with Smart IR IR Illuminators Bulli-in IR Illuminators, effective up to 30 meters with Smart IR IR Libro South Sharar IR IR IR Illuminators, Sharar IR IR IR IR IR Illuminators, Sharar IR	Model	
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Camera Features Image Sensor	CPU	Multimedia SoC (System-on-Chip)
Image Sensor 1/3" Progressive CMOS Maximum Resolution 1280x800 Lens Type Vari-focal, Manual Focus Focal Length f = 2.8 – 12 mm Aperture F1.8 – F2.85 Auto-iris P-Iris Field of View 33 – 87" (Horizontal) 21" – 54" (Vertical) 33" – 110" (Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Day/Night Removable (Rcut filter for day & night function Minimum Illumination 0.27 Lux # F1.8 (Color) 0.001 Lux # F1.8 (R/W) Parl/till/zoom Functionalities eP1.8 (R/W) IR Illuminators Builtin IR Illuminators, effective up to 30 meters with Smarr IR (R.LED'G On-board Storage SD/SDHC/SDXC card slot Video Compression H.264, MJPEG Maximum Frame Rate H.264: 30 fps # 1280x800 MMRCC Maximum Streams 3 simultaneous streams S/N Ratio Above 61 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Image Settings Time stamp, text overlay, filip & miror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, prixay masks, Scheduled profile settings, 3D noise reduction, seamless recording 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 SMTP, FTP, DHCR, NTP, DNS, DDNS, PPPGE, CoS, QoS, SNMP, 800.13 Interface Live viewing for up to 10 clients Protocols PiP-4, IP-6, TCP/IP, HTTP, HTTPS, UP-PR, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCR, NTP, DNS, DDNS, PPPGE, CoS, QoS, SNMP, 800.14 Interface Live viewing for up to 10 clients Protocols SMTP, FTP, DHCR, NTP, DNS, DDNS, PPPGE, CoS, QoS, SNMP, 800.14 Interface Compliant with the 3P/ETL standard.	Flash	128MB
Image Sensor I/3" Progressive CMOS Maximum Resolution 1280x800 Lens Type Vari-focal, Manual Focus Focal Length f = 2.8 - 12 mm Aperture F1.8 - F2.85 Auto-iris Pirls Pirls Pirls Pirls Si' - 87" (Horizontal) 21" - 54" (Vertical) 39" - 110" (Diagonal) 30" - 110" (Diagonal)	RAM	256MB
Maximum Resolution 1280x800 Lens Type Vari-focal, Manual Focus Focal Length f = 2.8 – 12 mm Aperture F1.8 – F2.85 Auto-iris P-Iris Field of View 33' – 87' (Poliziontal) 21' – 54' (Vertical) 39' – 110' (Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (Golor) 0.001 Lux @ F1.8 (Rolor) 0.001 Lux	Camera Features	
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Field of View 33" – 87" (Horizontal) 21" – 54" (Vertical) 39" – 110" (Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (R/W) Pan/tilt/zoom Functionalities ept 2.4 8x digital zoom (4x on IE plug-in, 12x built in) IR Illuminators William Smart IR IR LED"6 On-board Storage SD/SDHC/SDXC card slot Video Compression H.264, MJPEG Maximum Frame Rate H.264: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 Maximum Streams 3 simultaneous streams S/N Ratio Above 61 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Image Settings Time stamp, text overlay, flip & mirror Configurable brighness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, Scheduled profile settings, 3D noise reduction, seamless recording 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 IP44, IP46, TCP/IP, HTTP, HTTPS, UPAP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X Interface 'tis highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Aperture	F1.8 ~ F2.85
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WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.27 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 Bullt-in IR illuminators, effective up to 30 meters with Smart IR IR LED*6 On-board Storage SD/SDHC/SDXC card slot Video Compression H.264, MJPEG Maximum Frame Rate H.264: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 Maximum Streams 3 simultaneous streams S/N Ratio Above 61 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate 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, 3D noise reduction, seamless recording 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, SDC, IV, IV, IV, IV, IV, IV, IV, IV, IV, IV	Field of View	21° ~ 54° (Vertical)
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Minimum Illumination 0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) Pan/tilt/zoom Functionalities ePT2: 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⁻6 On-board Storage SD/SDHC/SDXC card slot Video Compression H.264, MJPEG Maximum Frame Rate H.264: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 MJPEG: 30 fps @ 1280x800 Moving and the search of the	WDR Technology	WDR Pro
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Maximum Frame Rate H.264: 30 fps @ 1280x800 MpEC: 30 fps @ 1280x800 Maximum Streams 3 simultaneous streams S/N Ratio Above 61 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate 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, 3D noise reduction, seamless recording 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 Interface 10Base-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Video	
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S/N Ratio Above 61 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate 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, 3D noise reduction, seamless recording 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 Interface 10Base-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Maximum Frame Rate	30 fps @ 1280x800 MJPEG:
Dynamic Range Video Streaming Adjustable resolution, quality and bitrate 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, 3D noise reduction, seamless recording 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, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X Interface 10Base-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Maximum Streams	3 simultaneous streams
Video Streaming Adjustable resolution, quality and bitrate 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, 3D noise reduction, seamless recording 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, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X Interface 10Base-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	S/N Ratio	Above 61 dB
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, 3D noise reduction, seamless recording Audio 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, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X Interface 108ase-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Dynamic Range	110 dB
Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, Scheduled profile settings, 3D noise reduction, seamless recording 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 Interface 108ase-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Video Streaming	Adjustable resolution, quality and bitrate
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 Interface 10Base-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Image Settings	Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, Scheduled profile settings, 3D noise reduction,
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 Interface 108ase-T/100 BaseTX Ethernet (RJ-45) "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Audio	
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, 8802.1X Interface 108ase-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Audio Capability	Audio input/output (full duplex)
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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 Interface 10Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Interface	
Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X Interface 108ase-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Network	
SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X Interface 10Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Users	Live viewing for up to 10 clients
*It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Protocols	SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,
ONVIF Supported, specification available at www.onvif.org	Interface	*It is highly recommended to use standard CAT5e & CAT6
	ONVIF	Supported, specification available at www.onvif.org

Intelligent Video	
Video Motion Detection	Triple-window video motion 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 File upload via HTTP, SMTP, FTP and NAS server
General	
Connectors	RJ-45 cable connector for Network/PoE connection RJ-45 cable connector for PoE output (IB8338-HR) Audio input Audio output DC 12V power input (IB8338-H) Digital input*1 Digital input*1
LED Indicator	System power and status indicator
Power Input	IB8338-H IEEE 802.3af POE DC 12V IB8338-HR IEEE 802.3at, UPOE
Power Consumption	IB8338-H PoE: Max. 9.7W DCI-2V: Max. 9.96 W IB8338-HR PoE: Max. 10W
Dimensions	Ø: 82 x 283 mm
Weight	Net: 920g (IB8338-H) Net: 985g (IB8338-HR)
Casing	Weather-proof IP66-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10'C ~ 50'C (14'F~ 122'F) Working Temperature: -20'C ~ 50'C (-4'F~ 122'F)
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7.x or 8.x, 9.x, 10.x
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

Dimensions



Compatible Accessories

Mounting Kits



AM-311 Pole Mount Adaptor



AM-411 Corner Mount Adaptor



AM-711 Junction Box

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