





# 2MP · 30M IR · IP66 · IK10 · Smart Stream II · SNV · Defog

VIVOTEK's IB8369A is an all-in-one bullet-style network camera designed for diverse outdoor applications. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the IB8369A is an ideal and highly adaptable outdoor camera capable of capturing high quality video at high resolutions of up to 2 Megapixel.

The IB8369A features VIVOTEK's sophisticated Smart Stream II technology, allowing the camera to optimize image quality for the most important regions in any scene, and thus ensuring maximum efficiency of bandwidth usage and savings of up to 50% on bandwidth and storage requirements. In order to adapt to constantly changing outdoor lighting conditions, the IB8369A also features a removable IR-cut filter as well as IR illuminators effective up to 30M for superior image quality around the clock. For protection against harsh outdoor environments, the camera is encased in a weather-proof IP66-rated housing, making it impervious to rain and dust. The robustness of the IB8369A is further strengthened by the adoption of rugged IK10 design housing.

Incorporating a number of advanced features standard for VIVOTEK cameras, including video rotation, defog, a dedicated MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the IB8369A is the ideal solution for your outdoor surveillance needs.

## **Key Features**

- · 2-Megapixel CMOS Sensor
- · 30 fps @ 1920x1080
- · Real-time H.264, MJPEG Compression (Dual Codec)
- · Removable IR-cut Filter for Day & Night Function
- · Built-in IR Illuminators, Effective up to 30 Meters
- · Built-in 802.3af Compliant PoE
- · Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- $\cdot$  Supports ONVIF Standard to Simplify Integration and **Enhance Interoperability**
- · Weather-proof IP66-rated and Vandal-proof IK10-rated Metal
- · Smart Stream II to Optimize Bandwidth Efficiency
- · 3D Noise Reduction
- · Smart IR Technology to Avoid Overexposure
- $\cdot$  SNV (Supreme Night Visibility) for Low Light Conditions







Ordinary Camera

With Smart Stream II





VIVOTEK SNV Camera









Campus



Residential

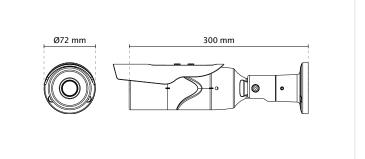


#### **Technical Specifications**

Model         B8369A           System Information           CPU         Multimedia SoC (System-on-Chip)           Flash         128MB           RAM         256MB           Camera Features           Image Sensor         1/2.9° Progressive CMOS           Maximum Resolution         1920x1080 (2MP)           Lens Type         Fixed-focal           Focal Length         f = 3.6 mm           Aperture         F2.1           Field of View         78' (Horizontal)           42' (Vertical)         84' (Diagonal)           Shutter Time         1/5 sec. to 1/32,000 sec.           WOR Technology         WDR Enhanced           Day/Night         Removable IR-cut filter for day & night function           Minimum Illumination         0.06 Lux @ F2.1 (Color)           0.01 Lux @ F2.1 (8/W)           Pan/Tilt/Zoom Functionalities         84 digital zoom (4x on IE plug-in, 12x built-in)           IR Illuminators         WilkeroSD/SDHC/SDXC card slot seems with Smart IR R LED*10           On-board Storage         WilkeroSD/SDHC/SDXC card slot seems secording           Video           Compression           Maximum Frame Rate         30 fps @ 1920x1080           Maximum Frame Rate	оронный оронный положений	
CPU Multimedia SoC (System-on-Chip) Flash 128MB RAM 256MB  Camera Features Image Sensor 1/2.9" Progressive CMOS Maximum Resolution 1920x1080 (2MP) Lens Type Fixed-focal Focal Length f = 3.6 mm Aperture F2.1 Field of View 28' (Horizontal) 42' (Vertical) 84' (Diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Enhanced Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.06 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W) Pan/Tilt/Zoom Functionalities Rilluminators, effective up to 30 meters with Smart IR IR LED*10  On-board Storage MicroSD/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 65 dB Dynamic Range 69.4 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy mask Scheduled profile settings, 3D noise reduction, video rotation, defog  Network  Users Live viewing for up to 10 clients  Protocols Pref. (CMP, SMTE, Ft. DHCP, NTP, DNS, DDNS) PPPeE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface & CAGF Cables which are compliant with the 3P/ETL standard.	Model	IB8369A
Flash 128MB RAM 256MB  Camera Features  Image Sensor 1/2.9" Progressive CMOS  Maximum Resolution 1920x1080 (2MP)  Lens Type Fixed-focal  Focal Length f = 3.6 mm  Aperture F2.1  Flield of View 278 (Horizontal) 42 (Vertical) 84 (Diagonal)  Shutter Time 17.5 sec. to 1/32,000 sec.  WDR Technology WDR Enhanced  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.06 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W)  Pan/Tilt/Zoom Functionalities 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"10  On-board Storage MicroSD/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 65 dB  Dynamic Range 69.4 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy mask's Scheduled profile settings, 3D noise reduction, vider ortation, defog  Network  Users Live viewing for up to 10 clients  Protocols Pref. (CMP, SMTE Ft. DHCP, PITP, DHS, DMS)  Protocols Pref. (CMP, SMTE Ft. DHCP, PITP, DHS, DMS)  Protocols Cand Standard CATS e & CATG cables which are compliant with the 3P/ETL standard.	System Information	
Camera Features	CPU	Multimedia SoC (System-on-Chip)
Camera Features         Image Sensor       1/2.9" Progressive CMOS         Maximum Resolution       1920x1080 (2MP)         Lens Type       Fixed-focal         Focal Length       f = 3.6 mm         Aperture       F2.1         Field of View       42° (Vertical) 44° (Vertical) 84° (Diagonal)         Shutter Time       1/5 sec. to 1/32,000 sec.         WDR Technology       WDR Enhanced         Day/Night       Removable IR-cut filter for day & night function         Minimum Illumination       0.06 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*10         On-board Storage       Signal SpHC/SDNC card slot Seamless Recording         Video         Compression       H .264 & MJPEG         Maximum Frame Rate       10 fps @ 1920x1080 In both compression modes         Maximum Streams       4 simultaneous streams         S/N Ratio       65 dB         Dynamic Range       69.4 dB         Video Streaming       Adjustable resolution, quality and bitrate Smart Stream II         Image Settings       Time stamp, text overlay, flip & mirror<	Flash	128MB
Image Sensor 1/2.9" Progressive CMOS  Maximum Resolution 1920x1080 (2MP)  Lens Type Fixed-focal  Focal Length f = 3.6 mm  Aperture F2.1  Field of View 78' (Horizontal) 42' (Vertical) 84' (Diagonal)  Shutter Time 1/5 sec. to 1/32,000 sec.  WDR Technology WDR Enhanced  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.06 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W)  Pan/Tilt/Zoom Functionalities eprz-48x digital zoom (4x on IE plug-in, 12x built-in)  IR Illuminators With Smart IR IR LED*10  On-board Storage MicroSD/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 65 dB  Dynamic Range 69.4 dB  Video Streaming 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  Network  Users Live viewing for up to 10 clients  Interface 20 face and supplied the policy is highly recommended to use standard CATS eprofile. Single promise which are compliant with the 3P/ETL standard.	RAM	256MB
Maximum Resolution         1920x1080 (2MP)           Lens Type         Fixed-focal           Focal Length         f = 3.6 mm           Aperture         F2.1           Field of View         78° (Horizontal) 42' (Vertical) 84' (Diagonal)           Shutter Time         1/5 sec. to 1/32,000 sec.           WDR Technology         WDR Enhanced           Day/Night         Removable IR-cut filter for day & night function           Minimum Illumination         0.06 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*10           On-board Storage         MicroSD/SDHC/SDXC card slot Seamless Recording           Video           Compression           Maximum Frame Rate         30 fps @ 1920x1080 In both compression modes           Maximum Streams         4 simultaneous streams           S/N Ratio         65 dB           Dynamic Range         69.4 dB           Video Streaming         Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Schoeduled profile settings, 3D noise reduction, video rotation, defog           Net	Camera Features	
Fixed-focal	Image Sensor	1/2.9" Progressive CMOS
Focal Length	Maximum Resolution	1920x1080 (2MP)
Aperture F2.1  Field of View 78' (Horizontal) 42' (Vertical) 84' (Diagonal)  Shutter Time 1/5 sec. to 1/32,000 sec.  WDR Technology WDR Enhanced  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.06 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 5mart IR IR LED*10  On-board Storage MicroSD/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 65 dB  Dynamic Range 69.4 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Image Settings Adjustable resolution, quality and bitrate Smart Stream II  Smart Stream II 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  Network  Users Live viewing for up to 10 clients  Interface Protocols Ply4, IPv6, TCP/IP, HTTP, HTTPS, UPPP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Lens Type	Fixed-focal
Field of View	Focal Length	f = 3.6 mm
Field of View 42' (Vertical) 84' (Diagonal)  Shutter Time 1/5 sec. to 1/32,000 sec.  WDR Technology WDR Enhanced  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.06 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 5 mart IR IR LED*10  On-board Storage MicroSD/SDHC/SDXC card slot 5 seamless Recording  Video  Compression H.264 & MJPEG  Maximum Frame Rate 30 fps @ 1920x1080 In both compression modes  Maximum Streams 4 simultaneous streams  5/N Ratio 65 dB  Dynamic Range 69.4 dB  Video Streaming Adjustable resolution, quality and bitrate 5 mart Stream II  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, video rotation, defog  Network  Users Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface 10 Base-T/100 BaseTX Ethernet (RJ-45)  "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Aperture	F2.1
WDR Technology         WDR Enhanced           Day/Night         Removable IR-cut filter for day & night function           Minimum Illumination         0.06 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 ILED*10           On-board Storage         MicroSD/SDHC/SDXC card slot Seamless Recording           Video         Compression           Maximum Frame Rate         30 fps @ 1920x1080 In both compression modes           Maximum Streams         4 simultaneous streams           S/N Ratio         65 dB           Dynamic Range         69.4 dB           Video Streaming         Adjustable resolution, quality and bitrate Smart Stream II           Image Settings         Adjustable resolution, puality and bitrate Smart Stream II           Image Settings         Interface properties settings, 3D noise reduction, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3D noise reduction, video rotation, defog           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, PPPo6, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS           Interface	Field of View	42° (Vertical)
Day/Night  Removable IR-cut filter for day & night function  0.06 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*10  On-board Storage  MicroSD/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  5/N Ratio  65 dB  Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  Protocols  Protocols  Protocols  In base-T/100 Base-TX Ethernet (RJ-45)  "It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	Shutter Time	1/5 sec. to 1/32,000 sec.
Minimum Illumination  0.06 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)  Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*10  On-board Storage  MicroSD/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  65 dB  Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  Protocols  Protocols  10 Base-T/100 BaseTX Ethernet (R)-45) **Tits highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.	WDR Technology	WDR Enhanced
Pan/Tilt/Zoom Functionalities  Pan/Tilt/Zoom Functionalities  Pan/Tilt/Zoom Functionalities  Pan/Tilt/Zoom Functionalities  PTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)  Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*10  On-board Storage  MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression  H.264 & MJPEG  Maximum Frame Rate  30 fps @ 1920x1080	Day/Night	Removable IR-cut filter for day & night function
### Ask digital zoom (4x on IE plug-in, 12x built-in)  ### Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*10  ### Compression	Minimum Illumination	
IR Illuminators  with Smart IR IR LED*10  On-board Storage  MicroSD/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  65 dB  Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  Protocols  Protocols  Protocols  1Pv4, 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  4 cAT6 cables which are compliant with the 3P/ETL standard.	Pan/Tilt/Zoom Functionalities	
On-board storage         Video         Compression       H.264 & MJPEG         Maximum Frame Rate       30 fps @ 1920x1080 In both compression modes         Maximum Streams       4 simultaneous streams         S/N Ratio       65 dB         Dynamic Range       69.4 dB         Video Streaming       Adjustable resolution, quality and bitrate Smart Stream II         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, video rotation, defog         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       10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	IR Illuminators	with Smart IR
Compression H.264 & MJPEG  Maximum Frame Rate 30 fps @ 1920x1080 In both compression modes  Maximum Streams 4 simultaneous streams  S/N Ratio 65 dB  Dynamic Range 69.4 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users Live viewing for up to 10 clients  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 10 Base-T/100 BaseTX Ethernet (RJ-45)  *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	On-board Storage	
Maximum Frame Rate       30 fps @ 1920x1080 In both compression modes         Maximum Streams       4 simultaneous streams         S/N Ratio       65 dB         Dynamic Range       69.4 dB         Video Streaming       Adjustable resolution, quality and bitrate Smart Stream II         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, video rotation, defog         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       10 Base-T/100 BaseTX Ethernet (RJ-45)* *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Video	
Maximum Streams  4 simultaneous streams  5/N Ratio  65 dB  Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPDE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Compression	H.264 & MJPEG
S/N Ratio  Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  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  10 Base-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	
Dynamic Range  69.4 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPGE, Cos, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  10 Base-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	4 simultaneous streams
Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  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  Network  Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  10 Base-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	65 dB
Smart Stream II  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  Network  Users Live viewing for up to 10 clients  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 10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Dynamic Range	69.4 dB
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Users  Live viewing for up to 10 clients  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  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & 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,
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  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Network	
Protocols  RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-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
Interface *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.	Protocols	RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,
ONVIF Supported, specification available at www.onvif.org	Interface	*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL
	ONVIF	Supported, specification available at www.onvif.org

Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
General	
Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 10 W
Dimensions	Ø: 72 mm x 300 mm
Weight	Net: 1010 g
Casing	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
Operating Temperature	Starting Temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (14°F $\sim$ 122°F) Working Temperature: $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (-4°F $\sim$ 122°F)
Humidity	90%
Warranty	24 months
System Requirements	
Operating System	Microsoft Windows 8/7/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-CH Software
Others	Quick installation guide, alignment sticker, cable management bracket, screw pack, sunshield

### Dimensions



#### **Compatible Accessories**

#### Mounting Kits



AM-523 Adapting Plate

### **Cloud-based Solution**

