





1080p HD · 30x Zoom · 150M IR · NEMA 4X · IP67 · IK10 · Defog · -50°C ~ 55°C · EIS · GbE Port

VIVOTEK's SD9364-EHL is a brand-new professional speed dome camera with 150 M IR, specifically designed for wide open areas even in total darkness. The SD9364-EHL is equipped with high-performance H.265/ H.264/MJPEG compression technology and extra-smooth video quality with up to 150 M IR illumination, providing superb low-light imagery with an adjustable Zoom Lens, and clearly enhanced resolution for any moving object at night-time. In addition, the SD9364-EHL also adopts VIVOTEK latest IR technology, VAIR (Vari-Angle IR), which provides up to 150 meter IR illumination with smooth vari-angle adjustment, broad coverage of FOV and highly uniform IR intensity while avoiding hot-spot issues.

Offering 1080p Full HD resolution and adopting a 30x optical zoom lens and purpose-designed VAIR (Vari-Angle IR), the SD9364-EHL is able to capture fine details at top-notch quality, no matter what time of day or night. Further strengthening this camera performance in the field, IP67- and NEMA 4X-rated housing protects the camera body against rain, dust and corrosion and allows for a wide operating temperature range of between -50°C and 55°C. This robust housing ensures operation even under extreme weather conditions and hazardous environments and makes the SD9364-EHL ideally placed to monitor wide open indoor/ outdoor spaces such as ports, highways and parking lots where high-level reliability and precision are always required.

As with all VIVOTEK true day/night cameras, the SD9364-EHL features a removable IR-cut filter, maintaining clear images 24 hours a day. And with added audio detection, by recognizing increases or decreases in ambient noise, an additional layer of intrusion detection is ensured. Finally, other advanced features such as SD/SDHC/SDXC card slot and 60 fps high quality video, guarantee that the SD9364-EHL is the very best choice for the most demanding outdoor surveillance applications.

Without VAIR



Key Features

- · Real-time H.265, H.264 and MJPEG Compression (Triple Codec)
- · 1080p HD CMOS Sensor
- · 60 fps @ 1080p Full HD
- · 30x Zoom Lens, 150 M IR
- · VAIR (Vari-Angle IR)
- · Removable IR-cut Filter for Day & Night Function
- · 360° Continuous Pan and 220° Tilt
- · WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP67-rated, Vandal-proof IK10 and NEMA 4X-rated Housing
- · -50°C ~ 55°C Wide Temperature Range for Extreme Weather
- · Audio Detection for Instant Alerts
- · Auto Tracking for Moving Objects
- · Smart Stream II to Optimize Bandwidth Efficiency
- · 3D Privacy Masks for Additional Protection
- · Built-in SD/SDHC/SDXC Card Slot for On-board Storage
- · EIS







Station





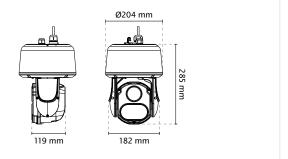
Port Airport

Technical Specifications

Model Sp9364-EHL System Information CPU Multimedia SoC (System-on-Chip) Flash 128MB RAM 512MB Camera Features Image Sensor 1/3" Progressive CMOS Maximum Resolution 1920x1080 (2MP) Lens Type 30x Optical Zoom, Autor Focus Focal Length f = 4.3-129 mm (30x zoom) Aperture F1.6 ~ F4.7 Auto-iris DC-iris Fleid of View 2.3" 64" (Horizontal) 2.6" 73" (Diagonal) Characteristics Shutter Time 1/8 sec to 1/30,000 sec WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.42Lux #F1.6 (Color) 0.00Lux #1.6 (g/W) Color Pan Speed 0.1" - 300" / sec Pan Range 360 encless Titt Speed 0.1" - 300" / sec Titt Range 220" (+10" - +110") Preset Locations 1.28x digital zoom (4x on 1E plug-in, 32x bull-in) IR Illuminators	Technical Specifications	
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Flash 128MB RAM 512MB Camera Features Image Sensor 1/3" Progressive CMOS Maximum Resolution 1920x1080 (2MP) Lens Type 30x Optical Zoom, Auto Focus Focal Length f = 4.3-129 mm (30x zoom) Aperture F1.6 ~ F4.7 Auto-iris DC-iris Field of View 13" - 64" (Horizontal) 13" - 36" (Vertical) 2.6" - 73" (Diagonal) Shutter Time 1/8 sec to 1/30,000 sec WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.42 Lux #F1.6 (Color) 0.001 Lux #F1.6 (B/W) Pan Speed 0.1" - 300" / sec Pan Range 360 endless Tilts Speed 0.1" - 300" / sec Tilt Range 220" (110" ~ +110") Preset Locations 128 presets per tour Pan/Tilt/Zoom Functionalities 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities 150 m IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps #1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 10 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II Image Settings Adjustable image size, quality and bitrate Smart Stream II Image Settings Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Smart Stream II Adjustable image size, quality and bitrate Time stamp, text overlay, fip & mirror Configurable brightness, corriast, socioriast, so	System Information	
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Maximum Resolution 1920x1080 (2MP) Lens Type 30x Optical Zoom, Auto Focus Focal Length f = 4.3-129 mm (30x zoom) Aperture F1.6 ~ F4.7 Auto-iris DC-iris Field of View 1.3 ~ 36 (Vertical) 2.3 ~ 64 (Horizontal) 1.3 ~ 36 (Vertical) 2.6 ~ 73 (Diagonal) Shutter Time 1/8 sec to 1/30,000 sec WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.42Lux @ F1.6 (Golon) Pan Speed 0.1 ~ 300" / sec Pan Range 360 endiess Tilt Speed 0.1 ~ 300" / sec Tilt Range 220" (+110" ~ +110") Preset Locations 128 presets per tour Pan/Tilt/Zoom Functionalities 228 preset locations 128 presets per tour R Illuminators 150 m On-board Storage Stottype: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 in all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharppess, white balance, exposure control, gain, backlight compensation, privatey masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression C.711, C.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients Protocols P194, IPv6, TCP/IR, HTTP, HTTPS, UPPR, RTSP/RTP/P, PPPG, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR, R80, 20.1 X, UpP, CIMP, ARP, SSL, PPPGE, CoS, QoS, SMR	Camera Features	
Lens Type 30x Optical Zoom, Auto Focus	Image Sensor	1/3" Progressive CMOS
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Aperture F1.6 ~ F4.7 Auto-iris DC-iris Field of View 1.3" - 36" (Vertical) 1.3" - 36" (Vertical) 2.6" - 73" (Diagonal) Shutter Time 1/8 sec to 1/30,000 sec WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.42Lux @ F1.6 (Color) 0.001Lux @ F1.6 (B/W) Pan Speed 0.1" - 300" / sec Pan Range 360 endless Tilt Speed 0.1" - 300" / sec Pan Range 220" (-110" ~ +110") Preset Locations 128 presets locations 128 presets per tour Pan/Tilt/Zoom Functionalities 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot seamless Recording Wideo Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy mask (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients Protocols PPP-6, CoS, Os, S, MPR, PSD, LOCH, PNP, DNS, DNS, PPP-6, CoS, Os, S, MPR, PSD, LOCH, PNF, DNS, DNS, PPP-6, CoS, Os, S, MPR, PSD, LOCH, PNF, PSS, LOCH, PAP, PSS, PPP-6, CoS, OS, S, MPR, PSC, DL, UPP, PSP, COS, OS, S, MPR, PSS, LOCH, PAP, PSS, LOCH, PAP, PSS, LOCH, PAP, PSS, PPP-6, CoS, OS, S, MPR, PSC, DL, UPP, PSP, SS, PPP-6, CoS, OS, S, MPR, PSC, DL, UPP, PSP, SS, PPP-6, CoS, OS, S, MPR, PSC, DL, UPP, PSP, SS, PPP-6, CoS, OS, S, MPR, PSS, LOCH, PAP, PSS, LOCH, PAP, PSS, LOCH, PAP, PSS, LOCH, PAP, PSS, LOCH,	Lens Type	30x Optical Zoom, Auto Focus
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Field of View 2.3" – 64" (Horizontal) 1.3" – 36" (Vertical) 2.6" – 73" (Diagonal) Shutter Time 1/8 sec to 1/30,000 sec WDR Technology WDR Pro Day/Night Removable IR-cut filter for day & night function Minimum Illumination 0.42 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (Rolw) Pan Speed 0.1" – 300" / sec Pan Range 360 endless Titl Speed 0.1" – 300" / sec Titl Range 220" (110" – +110") Preset Locations 256 preset locations 128 repests per tour Pan/Titl/Zoom Functionalities 2128 kdigital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto partol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, filip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression C.711, C.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ Protocols Protocols	Aperture	F1.6 ~ F4.7
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Minimum Illumination O.42Lux @ F1.6 (Color) 0.001Lux @ F1.6 (B/W) Pan Speed 0.1' ~ 300' / sec Pan Range 360 endless Tilt Speed 0.1' ~ 300' / sec Tilt Range 220' (-110' ~ +110') Preset Locations 128 presets per tour Pan/Tilt/Zoom Functionalities Auto patrol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privary masks (up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPPP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PSF, CSC, QSS, SMMP, 802.1, UpP, ICMPAP, SSL, PT, PTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PSF, CSC, QSS, SMMP, 802.1, UpP, ICMPAP, SSL, PTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PSF, CSC, QSS, SMMP, 802.1, UpP, ICMPAP, SSL, PTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PSF, CSC, QSS, SMMP, 802.1, UpP, ICMPAP, SSL, PTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, DNS, DPSF, CSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, SSL, PSC, SMMP, 802.1, UDP, ICMPAP, SSL, PTCP, ICMPAP, SSL, PSC, PSC, PSC, SSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, SSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, PSC, SSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, PSC, SSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, PSC, PSC, PSC, SSC, QSS, SMMP, 802.1, UDP, ICMPAP, SSL, PSC, PSC, PSC, PSC, PSC, PSC, PSC, PSC	WDR Technology	WDR Pro
Pan Speed 0.1' ~ 300' / sec Pan Range 360 endless Tilt Speed 0.1' ~ 300' / sec Tilt Speed 0.1' ~ 300' / sec Tilt Range 220' (110' ~ +110') Preset Locations 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities Auto patrol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams 5/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output 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, PTCP, ICRP, CSS, OSS, NMM, 802.13, Upp CMPAPP, SSL, PTCP, ICRP, SMMP, SMT, PTP, FTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PTCP, ICRP, CSS, OSS, NMM, 802.13, UDP, ICMP, RTSP, RTSP, RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PTCP, ICC, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PTCP, ICRP, CSS, OSS, NMM, 802.13, UDP, ICMP, RTSP, RTSP, RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PTCP, ICMP, RTSP, RTSP, RTCP, ICMP, ICMP	Day/Night	Removable IR-cut filter for day & night function
Pan Range 360 endless Tilt Speed 0.1' ~ 300' / sec Tilt Range 220' (110' ~ +110') Preset Locations 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities 128 digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode IR Illuminators 150 m On-board Storage 5lot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 in all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, DNC, DDNS, DDNS, PROE, CRMPARP, SSL, PROE, Compress, Cont, MPA, PR, SSL, PROE, Compress, Cont, MPA, PR, SSL, PROE, Company, Compa	Minimum Illumination	
Tilt Range 220' (-110' ~ +110') Preset Locations 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities 128 digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, filp & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression C.711, C.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, DNP, DNS, DDNS, PTCP, ICMPARP, SSL, TCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PTCP, ICMP, ARP, SSL, TCP, IC	Pan Speed	0.1° ~ 300° / sec
Tilt Range 220' (110' ~ +110') Preset Locations 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities 128 x digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output 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, DDNA, PSSL, PPPoE, CoS, OS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPPOE, COS, OS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPPOE, COS, OS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPPOE, COS, OS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPPOE, COS, OS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp I, CMP, ARR, SSL, PPOE, COS, SMNP, SOL, 1X, Upp	Pan Range	360 endless
Preset Locations 256 preset locations 128 presets per tour Pan/Tilt/Zoom Functionalities R Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output 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, DUPN, CMP, ARR, SSL, PPV6E, COS, OS, SMMP, SOL.7X, UDP, ICMP, ARR, SSL, PPV6E, COS, OS, SMMP, SOL.7X, UDP, ICMP, ARR, SSL, PPV6E, COS, OS, SMMP, SOL.7X, UDP, ICMP, ARR, SSL,	Tilt Speed	0.1° ~ 300° / sec
Pan/Tilt/Zoom Functionalities Pan/Tilt/Zoom Functionalities I28x digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto part mode Auto part mode IR Illuminators I50 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output 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, DARS, SSL, PPOE, CoS, SS, SMMP, 802.1X, UDP, ICMP,ARR, SSL,	Tilt Range	220° (-110° ~ +110°)
Pan/Tilt/Zoom Functionalities Auto pan mode Auto patrol mode Auto patrol mode Auto patrol mode IR Illuminators 150 m On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients Protocols Protocols Protocols AUDIO, NTP, DNP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, CoS, QOS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, COS, QOS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, COS, QOS, SNMP, 802.1X, UDP, ICMP, ARR, SSL, PPOE, COS, QOS, SNMP, 802.1X, UDP, ICMP, ARR, SSL,	Preset Locations	
On-board Storage Slot type: SD/SDHC/SDXC card slot Seamless Recording Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPV4, IPV6, TCP/IP, HTTPS, UPPP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPOE, COS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPOE, COS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPOE, COS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, PPOE, COS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	Pan/Tilt/Zoom Functionalities	Auto pan mode
Video Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080	IR Illuminators	150 m
Compression H265, H264, MJPEG Maximum Frame Rate 60 fps @ 1920x1080	On-board Storage	
Maximum Frame Rate 60 fps @ 1920x1080 In all compression mode Maximum Streams 4 simultaneous streams S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II Image Settings 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line 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, UDP, ICMP,ARP, SSL,	Video	
In all compression mode Maximum Streams 4 simultaneous streams 5/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	Compression	H265, H264, MJPEG
S/N Ratio 53.64 dB Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	Maximum Frame Rate	
Dynamic Range 110 dB Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	Maximum Streams	4 simultaneous streams
Video Streaming Adjustable resolution, quality and bitrate Smart Stream II 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 (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	S/N Ratio	53.64 dB
Smart Stream II	Dynamic Range	110 dB
Image Settings Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24) Scheduled profile settings, defog, 3DNR, EIS Audio Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients Protocols Protocols Protocols Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, sharpness, white balance, exposure control, gain, sharpness, white balance, seposure control, gain, sharpness, white balance, exposure control, gain, sharpness, white balance, schostor, gain, sharpness, white balance, exposure control, gain, sharpness, white balance, exposure control, gain, sharpness, white balance, schostor, gain, sharpness, white balance, exposure control, gain, sharpness, white balance, gain, sharpness, gain, sharpness, gain, sharpness, gai	Video Streaming	
Audio Capability Audio input/output (full duplex) Compression G.711, G.726 Interface External microphone input External line output 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,	Image Settings	Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24)
Compression G.711, G.726 Interface External microphone input External line output Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,	Audio	
Interface External microphone input External line output 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,	Audio Capability	Audio input/output (full duplex)
Network Users Live viewing for up to 10 clients Protocols Protocols External line output 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,	Compression	G.711, G.726
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,	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, UDP, ICMP,ARP, SSL,	Network	
Protocols RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP,ARP, SSL,	Users	Live viewing for up to 10 clients
ILS, NICIF	Protocols	RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS,

Interface	10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ-45) *It is highly recommended to use standard CATSe & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
Auto-Tracking	Auto-tracking on moving object
Alarm and Event	
Alarm Triggers	Manual trigger, periodical trigger, system boot, recording notification, audio detection, motion 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 10/100/1000Mpbs Network/PoE connection Audio input Audio output DC 48V power input Digital input*4 Digital output*2 RS-485 for PTZ control (PelcoD protocol, Baud rate 2400)
LED Indicator	System power and status indicator
Power Input	95W PoH/PoE DC 48V AC 24V (Optional)
Power Consumption	Max. 87 W (Heater on) Max. 39 W (Heater off)
Dimensions	Ø: 204 mm x 317.6 mm
Weight	Net: 6030 g
Casing	Weather-proof IP67, Vandal-proof IK10 and NEMA 4X-rated housing
Safety Certifications	CE, FCC Class A, VCCI, C-tick, NEMA 4X, UL
Operating Temperature	-50°C ~ 55°C (-58°F ~ 131°F)
Humidity	90%
Warranty	36 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	Wall mount bracket, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 stardriver, software CD, desiccant bags, AM-220 wall mount bracket, AO-003 I/O cable

Dimensions

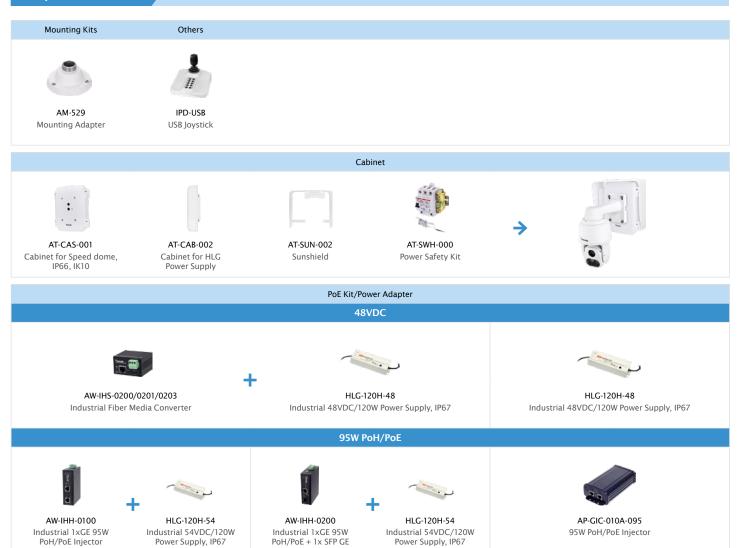




Compatible Accessories

Industrial 1xGE 95W

PoH/PoE Injector



Industrial 1xGE 95W PoH/PoE + 1x SFP GE

Switch

95W PoH/PoE Injector