

IMAX-SD8A840VI-HNI

4K 40x Starlight IR PTZ Network Camera



System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. Together with infrared illumination and Starlight Technology, the camera is the perfect solution for dark, lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality in variable lighting conditions during the day, and True WDR for applications with direct sunlight or glare.

Functions

Starlight Technology

For challenging low-light applications, Imaxcampro Starlight Ultra-low Light PFA ensures clarity of the image throughout the process of zooming Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.002lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart Wiper

With Imaxcampro smart wiper technology, the wiper can be started/stopped automatically when the build-in rain senor discerns whether it rains. The technology could offer better surveillance performance against wet weather and reduce dependence on manual operation.

- 1/1.8" 8Megapixel STARVIS™ CMOS
- · Powerful 40x optical zoom
- Starlight technology
- · Max. 25/30fps@4K
- · Support Hi-PoE
- · Smart wiper
- · IR distance up to 450m
- · IP67



Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

Environmental

Imaxcampro cameras operate in extreme temperature environments, rated for use in temperatures from -40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for ±25% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 8KV lightning rating provides effective protection for both the camera and its structure against lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Ultra Series | IMAX-SD8A840VI-HNI

Technical Specification

Camera

Image Sensor	1/1.8" STARVIS™ CMOS
Effective Pixels	3840(H) x 2160(V), 8 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.002Lux@F1.4; B/W: 0.0002Lux@F1.4; 0Lux@F1.4 (IR on)
S/N Ratio	More than 56dB
IR Distance	Distance up to 450m (1476ft)
IR On/Off Control	Auto/Manual
IR LEDs	10
Smart Wiper	Support
Lens	
Focal Length	5.6mm~223mm
Max. Aperture	F1.4~ F4.8
Angle of View	H: 63.9° ~ 2.0°
Optical Zoom	40x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe		Recognize	Identify
4400m(14435ft)	1740m(5708ft)		880m(2887ft)	440m(1443ft)
PTZ				
Pan/Tilt Range		Pan: 0	° ~ 360° endless; Tilt: -3	0° ~ 90°,auto flip 180°
Manual Control Spee	ed	Pan: 0.	1° ~240° /s; Tilt: 0.1° ~:	100° /s
Preset Speed		Pan: 24	40° /s; Tilt: 120° /s	
Presets		300		
PTZ Mode		5 Patte	ern, 8 Tour, Auto Pan ,A	uto Scan
Speed Setup		Humar	n-oriented focal Length	/ speed adaptation
Power up Action		Auto ro power	estore to previous PTZ a failure	and lens status after
Idle Motion			e Preset/ Scan/ Tour/ F and in the specified per	
Protocol		DH-SD	, Pelco-P/D (Auto recog	nition)
Intelligence				
Event Trigger		changi	n detection, Video tamı ng, Network disconnec t, Illegal Access, Storagı	tion, IP address

IVSTipwire, Intrusion, Abandoned/MissingIdvanced Intelligent FunctionFace Detection, Heat MapVideoItabs/H.265/H.264/H.264CompressionItabs/H.265/H.264/H.264Streaming CapabilityStreamsResolutionStreamsManagement ScienceStreamsFame RateStreamsFame RateCBK/VBRBit Rate ControlCBK/VBRBit RateRL265/H.264: S12K ~ B192KbpsBit RateStoreamsBit RateStoreamsBit RateStoreamsGoin ControlCBK/VBRGain ControlUtra StoramsMotion DetectionSupportFalseSupportFalseSupportForbic Index StoreSupportFilpStoreamsForbic Index StoreSupportForbic Index StoreSupport <th>Auto Tracking</th> <th>Support</th>	Auto Tracking	Support
VideoCompressionH.265/H.265/H.264/H.264Streaming Capability3 StreamsResolutionSite amsResolutionSite amsParame RateMain stream: 4K1-25/30(ps), 1080P/1.3MH/220P ("25/30(ps)")Bit RateCBR/VBRBit RateResolutionDay/NightKato(ICK) / Color / B/WBit RateRuto(ICK) / Color / B/WBit RateAuto(ICK) / Color / B/WBacklight CompensationBLC / HLC / WDR(120dB)Minis BalanceAuto, ATW, Indoor, Outdoor, ManualMotion DetectionSupportRegion of InterestSupportFilipSupportDigital ZoomSupportDigital ZoomSupportPrivacy MaskingJup of LangenePrivacy MaskingSupportPrivacy MaskingSupportPrivacy MaskingSupportProtocolSupportProtocolSupport, SupportProtocolSupport, SupportPrivacy MaskingSupport, SupportProtocolSupport, Support,	IVS	Tripwire, Intrusion, Abandoned/Missing
Compression H.265r/H.265r/H.264r/H.264 Streaming Capability 3 Streams Resolution 3 Streams Resolution Streams Main stream: 4K1(1-25/30fps), 1080P(1).3MK1/280x Frame Rate Sub stream1: D1/CIF(1 ~ 25/30fps), 1080P/1.3MK7/20P Bit Rate CBR/VBR Bit Rate H.265r/H.264r.512K ~ 8192K0ps Day/Night Auto(ICR) / Color / B/W Backlight Compensation BLC / HLC / WDR(120dB) Motion Detection Support Stage of Interest Support Pipical Defog Support <td>Advanced Intelligent Functions</td> <td>Face Detection, Heat Map</td>	Advanced Intelligent Functions	Face Detection, Heat Map
Streaming Capability 3 Streams Resolution 3 Kr(3840x2160)/1080P(1920x1080)/1.3M(1280x) 960)/720P(1280x720)/D1(704x576/704x480)/ CIF(535x288/352x240) Main stream: 4K(1-25/30fps). 1080P/1.3M(P/20P) (1-25/30fps) Frame Rate Sub stream1: D1/CIF(1 ~ 25/30fps). Bit Rate Control CBR/VBR Backlight Compensation H.265/H.264: 512K ~ 8192Kbps Day/Night Auto(ICR) / Color / B/W Backlight Compensation BLC / HLC / WDR(120dB) White Balance Auto, ATW, Indoor, Outdoor, Manual Motion Detection Support Region of Interest Support Electronic Image Stabilization (FS) Support Privacy Masking Up to 24 areas Privacy Masking IP 45 (108ase-T/100Base-TX) Protocol NINF 67-148, NINF, NTP, DHCP, DNS, PPOED, DDNS, FTP, PIFTHERD, SUB, SUB, SUB, SUB, SUB, SUB, SUB, SUB	Video	
Resolution 4K(3840x2160)/1080P(1320x1080)/1.3MP/1280x 960)/720P(1220x720)/D1(704x576/704x480)/ CF(352x284)552x240) Frame Rate Sub stream1: 01/CIF(1~25/30fps), 1080P/1.3MP/720P (1~25/30fps) Bit Rate Control Sub stream1: 01/CIF(1~25/30fps), 1080P/1.3MP/720P (1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H.265/H.264: 512K ~ 8192Kbps Day/Night Auto(ICR) / Color / B/V Backlight Compensation BLC / HLC / WDR(120dB) White Balance Auto, ATW, Indoor, Outdoor, Manual Gain Control Auto, ATW, Indoor, Outdoor, Manual Motion Detection Support Period Support Icertonic Image Stabilization Support Privacy Masking Up to 24 areas Privacy Masking Protocol Protocol Support, Support Protocol Support, Support Protocol Support, Support Protocol Support, Support Protocol Support, Suppo	Compression	H.265+/H.265/H.264+/H.264
Resolution 960/720P(1280+720/01/704-S76/704-480)/ CF(352-288/352240) Frame Rate Main stream: 4K(1~25/30fps), 1080P/1.3MP/720P (1~25/30fps) Frame Rate Sub stream1: D1/CIF(1~25/30fps), 1080P/1.3MP/720P Bit Rate Control CBR/VBR Bit Rate H.265/H.264: 512K ~ 8192Kbps Day/Night Auto(ICR) / Color / B/W Backlight Compensation BLC / HLC / WDR(120dB) White Balance Auto, ATW, Indoor, Outdoor, Manual Gain Control Auto, ATW, Indoor, Outdoor, Manual Noise Reduction Ultra DNR (2D/30) Motion Detection Support Region of Interest Support Igital Zoom 16k Flip 180° Privacy Masking Up to 24 areas Autoi Support Compression G.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/M Protocol IP44/IP64, MSMMR RTSP, RTS, MTR, MTR P. Protocol ICMMP SMMR RTSP, RTS, MTR P. Interoperability ONVIF Profile S&G, API Streaming Method Unicast / Multicast Max. User Access 20 users Fidge Storage Inicast / Multicast Man	Streaming Capability	3 Streams
Interception [1~25/30fps] Frame Rate Sub stream1: D1/CIF(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate Dawner Bit Rate Mato(ICR) / Color / B/W Backlight Compensation BLC / HLC / WDR(120dB) White Balance Auto, ATW, Indoor, Outdoor, Manual Gain Control Auto, ATW, Indoor, Outdoor, Manual Motion Detection Support Region of Interest Support Icitation Support Digital Zoom Ifa Privacy Masking Up to 24 areas Privacy Masking Gr11a/Gr11mu/PCM/Gr226/AAC/G722.1/Gr29/ MPEG2-Layer2 Protocol Sup.PrOt. Fethernet R-45 (10Base-T/100Base-TX) Protocol Unicast / Multicast Max. User Access Ou yeers Max. User Access Ou yeers Web Viewer In AS (Network Attached Storage).Local PC for instant recording. Micro SD card 256GB	Resolution	960)/720P(1280×720)/D1(704×576/ 704×480)/
Job Stream1: DJC([1 2)J0(p3) Sub stream2: 1080P/1.3M/720P (1 ~ 25/30fp3) Bit Rate Control CBR/VBR Backlight Compensation H.265/H.264: 512K ~ 8192Kbps Day/Night Auto(ICR) / Color / B/W Backlight Compensation BLC / HLC / WDR(120dB) White Balance Auto, ATW, Indoor, Outdoor, Manual Gain Control Auto / Manual Noise Reduction Ultra DNR (2D/3D) Motion Detection Support Region of Interest Support [Electronic Image Stabilization [EIS] Support Digital Zoom 16x Flip 180° Privacy Masking Up to 24 areas Audio Support Compression G.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/MPEG2-Layer2 Pretocol Protocol Interoperability ONVIF Profile S&G, API Streaming Method Unicast / Multicast Max. User Access 20 users Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari		
Bit Rate ControlCBR/VBRBit RateH.265/H.264: 512K ~ 8192KbpsDay/NightAuto(ICR) / Color / B/WBacklight CompensationBLC / HLC / WDR(120dB)White BalanceAuto, ATW, Indoor, Outdoor, ManualGain ControlAuto / ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportElectronic Image StabilizationSupportIfjipIsoOptical DefogSupportOptical DefogUto to 24 areasAutoSuploce2/Layer2CompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UPP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, OHCP, DNS, PPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1XInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User AccessISEdge StorageIKA (Sutwork Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Frame Rate	Sub stream1: D1/CIF(1 ~ 25/30fps)
Bit RateH.265/H.264: 512K ~ 8192KbpsDay/NightAuto(ICR) / Color / B/WBacklight CompensationBLC / HLC / WDR(120dB)White BalanceAuto, ATW, Indoor, Outdoor, ManualGain ControlAuto / ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportIcetronic Image Stabilization (EIS)SupportOptical DefogSupportOptical DefogUp to 24 areasFlipIS0°Privacy MaskingUp to 24 areasCompressionS.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ DNS_PPOE_DINS_FTP, RTP, SMTP, NTP, DHCP, DNS_PPOE_DINS_FTP, PTP, SMTP, NTP, DHCP, DNS_PPOE_DDNS_FTP, IP Filter,QoS,Bonjour,802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User AccessOUSEREdge StorageIE, Chrome, Firefox, SafariWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS		Sub stream2: 1080P/1.3M/720P (1 ~ 25/30fps)
Day/NightAuto(ICR) / Color / B/WBacklight CompensationBLC / HLC / WDR(120dB)White BalanceAuto, ATW, Indoor, Outdoor, ManualGain ControlAuto / ManualMoise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportIcetronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2RetworkIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPP, CMP, FGMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IPT FILTER, QS, Bonjour, BO2.1xtInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastKuser Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement Softwarewart PSS, DSS, DMSS	Bit Rate Control	CBR/VBR
Backlight CompensationBLC / HLC / WDR(120dB)White BalanceAuto, ATW, Indoor, Outdoor, ManualGain ControlAuto / ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportOptical DefogIbaPrivacy MaskingUp to 24 areasAudioSupportCompressionS.11a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPNP, CMP, GMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xtInteroperabilityONVIF Profile S&G, APIYata AccessOUvicast / MulticastKuser AccessSu usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareMara PPSS, DSS, DMSS	Bit Rate	H.265/H.264: 512K ~ 8192Kbps
White BalanceAuto, ATW, Indoor, Outdoor, ManualGain ControlAuto / ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2EthernetR.3-5 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPP, CMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xtInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastKax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for Instant recording, Micro SD card 256GBWeb ViewerE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Day/Night	Auto(ICR) / Color / B/W
Gain ControlAuto / ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkProtocolEthernetRJ-45 (10Base-T/100Base-TX)InteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageIE, Chrome, Firefox, SafariWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Backlight Compensation	BLC / HLC / WDR(120dB)
Noise ReductionUltra DNR (2D/3D)Motion DetectionSupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionRJ-45 (10Base-T/100Base-TX)ProtocolIPV4/IPV6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UDP, DNS, PPPOC, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	White Balance	Auto, ATW, Indoor, Outdoor, Manual
IntervalJupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkIPv4/IPV6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPNP, ICMP, IGMP, SMMP, RTS, RTP, SMTP, NTP, DHCP, DNS, PPDE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Gain Control	Auto / Manual
Region of InterestSupportRegion of InterestSupportElectronic Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPNP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Noise Reduction	Ultra DNR (2D/3D)
Ferroric Image Stabilization (EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageIE, Chrome, Firefox, SafariWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Motion Detection	Support
(EIS)SupportOptical DefogSupportDigital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkIEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UDP, UDP, UDMP, IGMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Region of Interest	Support
Digital Zoom16xFlip180°Privacy MaskingUp to 24 areasAudioCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UPP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPDE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	-	Support
Flip180°Privacy MaskingUp to 24 areasAudioCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UPP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Optical Defog	Support
Privacy MaskingUp to 24 areasAudioG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2CompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkImage: Complexity of the state of the sta	Digital Zoom	16x
AudioAudioCompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UDP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256G8Web ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Flip	180°
CompressionG.711a/G.711mu/PCM/G.726/AAC/G722.1/G.729/ MPEG2-Layer2NetworkEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Privacy Masking	Up to 24 areas
CompressionMPEG2-Layer2NetworkEthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UDP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE, DDNS,FTP, IP Filter,QoS,Bonjour,802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Audio	
EthernetRJ-45 (10Base-T/100Base-TX)ProtocolIPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1xInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access20 usersEdge StorageNAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSS	Compression	
Protocol IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UDP, UDP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x Interoperability ONVIF Profile S&G, API Streaming Method Unicast / Multicast Max. User Access 20 users Edge Storage NAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Network	
Protocol ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x Interoperability ONVIF Profile S&G, API Streaming Method Unicast / Multicast Max. User Access 20 users Edge Storage NAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Ethernet	RJ-45 (10Base-T/100Base-TX)
Streaming Method Unicast / Multicast Max. User Access 20 users Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Protocol	ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP,
Max. User Access 20 users Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Interoperability	ONVIF Profile S&G, API
Edge Storage NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Streaming Method	Unicast / Multicast
Edge Storage instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Max. User Access	20 users
Management Software Smart PSS, DSS, DMSS	Edge Storage	
	Web Viewer	IE, Chrome, Firefox, Safari
Smart Phone IOS, Android	Management Software	Smart PSS, DSS, DMSS
	Smart Phone	IOS, Android

Ultra Series | IMAX-SD8A840VI-HNI

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
Interface	
Video Interface	1 port(BNC, 1.0V[p-p], 75Ω)
RS485	1
Audio I/O	1/1
Alarm I/O	7/2
Electrical	
Power Supply	AC24V/3A(±25%), Hi-PoE
Power Consumption	26W, 38W (IR on, Heater on)
Environmental	
Operating Conditions	-40°C \sim 70°C (-40°F \sim +158°F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Construction	
Casing	Metal
Dimensions	Φ262(mm) x 415.6 (mm)
Net Weight	8.5kg(18.74lb)

Ordering Information

Туре	Part Number	Description
	DH-SD8A840VI-HNI	4K 40x Starlight IR PTZ Network Camera, WDR, PAL
4K PTZ	DH-SD8A840VIN-HNI	4K 40x Starlight IR PTZ Network Camera, WDR, NTSC
Camera	SD8A840VI-HNI	4K 40x Starlight IR PTZ Network Camera, WDR, PAL
	SD8A840VIN-HNI	4K 40x Starlight IR PTZ Network Camera, WDR, NTSC
	PFB306W	Wall Mount
	AC24V/3A	Power Adapter
A	PFA120	Junction Box
Accessories	PFA140	Power Box
	PFA150	Pole Mount
	PFA151	Corner Mount

Accessories

Included:





Power Adapter

PFB306W Wall Mount







PFA120 Junction Box

PFA140 Power Box

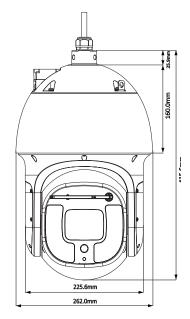
PFA150 Pole Mount



PFA151 Corner Mount

Junction Mount	Power Box Mount
PFB306W + PFA120	PFB306W + PFA140
Corner Mount	Pole Mount
PFB306W + PFA151	PFB306W + PFA150

Dimensions (mm)



Optional: