

# SN-IPR57/41ALDN

### 4MP Network IR Eyeball



- 1/3" Progressive Scan CMOS
- VF lens 3~12mm
- 25fps/30fps@4MP(2592\*1520)
- Triple Streams
- Smart IR Up to 30m
- Low bitrate ,Excellent low light performance
- WDR.3D DNR
- ROI, Defog, HLC, Corridor mode, DIS
- IP67

### **System Overview**

Pro series products by upgrading H.265 encoding technology, bringing high efficient video compression. It saves bandwidth and storage, energy-saving design to enhance the monitoring system. Meanwhile, the series offers features such as starlight, Smart IR technology, intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders. This series provides IP67 weatherproof and IK10 vandal-proof protection feature.

#### **Functions**

#### Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

#### Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad.

#### **Environmental**

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

#### Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

#### **HEVC (H.265)**

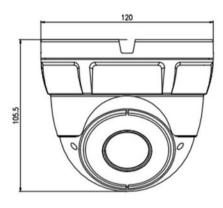
H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity.

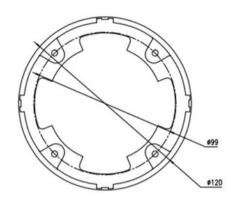
# **Technical Specification**

Image Sensor         1/3* Progressive Scan CMOS           Effective Pixels         2592(H)x1520(V)           Scanning System         Progressive           Electronic Shutter         1/5-1/20000s           Min. illumination         Color-0.05Lux@ (F1.2,AGC ON)           B/W:0Lux@ (IR LED ON)           S/N Ratio         55dB           IR Range         Up to 30m           IR On/Off Control         Auto/ Manual           IR LEDs         15pcs           Pan/Til/Rotation         Pan.0*~360*, Tilt:0*~90*, Rotation:0*~360*           Range         Pan.0*~360*, Tilt:0*~90*, Rotation:0*~360*           Lens         Lens           Lens Type         Manual           Iris         Auto Iris           Focal Length         3~12mm           F Number         F1.4           Angle of View         87°~35°           Focus Control         Manual           Close Focus Distance         0.3m           Video         Video           Compression         H.265,H.264,MJPEG           Max. Resolution         4MP(2592x1520)           Streaming Capability         3 Streams           Streamize D: InvigAfeAdvo.360(CFI/QVGA @25/30fps           Streamize D: InvigAfeAdvo.360(CFI/QVGA @25/3	Camera	
Scanning System Progressive Electronic Shutter 1/5-1/20000s Min. illumination SdV-Lux@ (F1.2.AGC ON) S/N Ratio 55dB IR Range Up to 30m IR On/Off Control Auto/ Manual IR LEDs 15pcs Pan/Tilt/Rotation Range Pan.0*~360*, Tilt:0*~90*, Rotation:0*~360*  Lens Lens Type Manual Iris Auto Iris Focal Length 3~12mm F Number F1.4 Angle of View 87°~35° Focus Control Manual Close Focus Distance 0.3m Distance 0.3m  Video  Compression H.265,H.264,MJ/PEG Max. Resolution 4MP(2592×1520) Streaming Capability 3 Streams Capability 3 Streams 12592×1520/2560×1440/2304×1296/19/20×1080/1280×720 @25/30fps Stream / Stream 1: 2592×1520/2560×1440/2304×1296/19/20×1080/1280×720 @25/30fps Stream Stream 3: VGA/CIF/QVGA @25/30fps Stream Stream 3: VGA/CIF/QVGA @25/30fps Stream 3: VGA/CIF/QVGA @25/30fps Stream 3: VGA/CIF/QVGA @25/30fps Stream 3: 100kbps~3000kbps Stream 4: CRR Image Enhancement HLC / Defog / WDR (120dB) White Balance Support Electronic Image Stabilization(EIS) Smart IR Support	Image Sensor	1/3" Progressive Scan CMOS
Electronic Shutter	Effective Pixels	2592(H)×1520(V)
Min. illumination         Color:0.05Lux@(F1:2,AGC ON) BW:0Lux@(IR LED ON)           S/N Ratio         55dB           IR Range         Up to 30m           IR On/Off Control         Auto/ Manual           IR LEDs         15pcs           Pant/Titl/Rotation Range         Pan:0'~360', Tilt:0'~90', Rotation:0'~360'           Lens         Lens           Lens Type         Manual           Iris         Auto Iris           Focal Length         3~12mm           F Number         F1.4           Angle of View         87°~ 35°           Focus Control         Manual           Close Focus Distance         0.3m           Video         Video           Compression         H.265,H.264,MJPEG           Max. Resolution         4MP(2592x1520)           Streaming         3 Streams           Streaming         Streaming           Streaming         Streaming           Streaming         Streaming           Streaming         Streaming           Streaming         Streaming           Interval Applications         Streaming           Interval Applications         Streaming           Streaming         Streaming           Streaming	Scanning System	Progressive
S/N Ratio   55dB     IR Range	Electronic Shutter	1/5-1/20000s
IR Range Up to 30m  IR On/Off Control Auto/ Manual  IR LEDs 15pcs  Pan/Till/Rotation Pan:0'~360', Tilt:0'~90', Rotation:0'~360'  Lens  Lens Type Manual  Iris Auto Iris  Focal Length 3~12mm  F Number F1.4  Angle of View 87°~35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Stream ate Stream: 1.500kbps~12000kbps  Stream: 1.00kbps~5000kbps  Stream: 1.00kbps~5000kbps  Stream: 1.00kbps~3000kbps  Stream: 1.00kbps~3000kbps  Stream: HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Electronic Image Support	Min. illumination	
IR On/Off Control  Auto/ Manual  IR LEDs  15pcs  Pan/Tilt/Rotation Range  Pan:0'~360', Tilt:0'~90', Rotation:0'~360'  Lens  Lens Type  Manual  Iris  Auto Iris  Focal Length  3-12mm  F Number  F1.4  Angle of View  87°- 35°  Focus Control  Manual  Close Focus Distance  0.3m  Video  Compression  H.265,H.264,MJPEG  Max. Resolution  Streaming Capability  3 Streams  Stream?  Stream?  Frame Rate  Stream?: 500kps=12000kbps Stream3: VGA/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps Stream2: 100kbps-3000kbps Stream2: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream4: 500kbps-3000kbps Stream5: 100kbps-3000kbps Stream6: 100kbps-3000kbps Stream7: 100kbps-3000kbps Stream8: 100kbps-3000kbps Stream9: 100kbps-3000kbps Str	S/N Ratio	55dB
Pan/Tilt/Rotation Range Pan:0'-360', Tilt:0'-90', Rotation:0'-360'  Lens  Lens Type Manual Pan:0'-360', Tilt:0'-90', Rotation:0'-360'  Lens Type Manual Pan:0'-360', Tilt:0'-90', Rotation:0'-360'  Lens Type Manual Pan:0'-360', Tilt:0'-90', Rotation:0'-360'  Focal Length 3-12mm  F Number F1.4  Angle of View 87°- 35°  Focus Control Manual Pan:0'-360'  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592x1520)  Streaming Capability 3 Streams  Stream / Stream: 2592x1520/2560x1440/2304x1296/ 1920x1080/1280x720 @25/30fps  Stream ? Stream: VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream: 100kbps-12000kbps  Stream: 100kbps-3000kbps  Stream: 100kbps-3000kbps  Stream: 100kbps-3000kbps  Stream: 100kbps-3000kbps  Stream: 2D/JOB DNR  Electronic Image Enhancement Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Support  Support	IR Range	Up to 30m
Pan/Tilt/Rotation Range  Pan:0'~360', Tilt:0'~90', Rotation:0'~360'  Lens  Lens Type Manual  Iris Auto Iris  Focal Length 3~12mm  F Number F1.4  Angle of View 87°~35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Capability 3 Streams  Stream / Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Stream? D1/VGA/640×360/CIF/QVGA @25/30fps  Stream: 101/VGA/640×360/CIF/QVGA @25/30fps  Stream: 100kbps-12000kbps  Stream: 100kbps-12000kbps  Stream: 100kbps-12000kbps  Stream: 100kbps-3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Support	IR On/Off Control	Auto/ Manual
Lens  Lens Type Manual  Iris Auto Iris  Focal Length 3-12mm  F Number F1.4  Angle of View 87°- 35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Stream / Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Control CBR/VBR  Stream: 1500kbps-12000kbps Stream: 100kbps-6000kbps Stream: 100kbps-6000kbps Stream: 100kbps-3000kbps Stream: HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Support	IR LEDs	15pcs
Lens Type Manual  Iris Auto Iris  Focal Length 3-12mm  F Number F1.4  Angle of View 87°-35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Stream / Stream: VGA/CIF/QVGA @25/30fps  Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream3: 100kbps-12000kbps  Stream3: 100kbps-3000kbps  Stream3: 100kbps-3000kbps  Stream3: 100kbps-3000kbps  Stream3: VGA/CIF/QVGA @25/30fps  Stream3: 100kbps-3000kbps		Pan:0°~360°, Tilt:0°~90°, Rotation:0°~360°
Iris Auto Iris  Focal Length 3-12mm  F Number F1.4  Angle of View 87°- 35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592x1520)  Streaming Capability 3 Streams  Stream / Stream / 1920x1080/1280x720 @25/30fps  Stream & Stream: VIAA/AS60/CIF/QVGA @25/30fps  Stream & Stream: 500kbps-12000kbps  Stream: 100kbps-3000kbps  Stream: 100kbps-3000kbps  Stream: HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Lens	
Focal Length 3-12mm  F Number F1.4  Angle of View 87°~ 35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream1: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @ 25/30fps  Stream 2 D1/NGA/640x360/CIF/QVGA @ 25/30fps  Stream3: VGA/CIF/QVGA @ 25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream1: 500kbps-12000kbps  Stream2: 100kbps-6000kbps  Stream3: 100kbps-3000kbps  Stream3: 100kbps-3000kbps  Stream6: HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Lens Type	Manual
F Number F1.4  Angle of View 87°~ 35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream2: D17/GA/640x360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream2: 100kbps~12000kbps Stream2: 100kbps~3000kbps  Stream3: 100kbps~3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Support	Iris	Auto Iris
Angle of View 87°~ 35°  Focus Control Manual  Close Focus Distance 0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps Bit Rate Control CBR/VBR  Bit Rate Stream1: 500kbps-12000kbps Stream3: 100kbps-2000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream3: 4LC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Support	Focal Length	3~12mm
Focus Control Manual  Close Focus Distance  0.3m  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream / Stream : 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @25/30fps  Stream / Stream : D1/VGA/640×360/CIF/QVGA @25/30fps  Stream : VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream : 500kbps-12000kbps  Stream : 100kbps-6000kbps  Stream : 100kbps-3000kbps  Stream : HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	F Number	F1.4
Close Focus Distance  Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream1: 2592×1520/2560×1440/2304×1296/1920×1080/1280×720 @ 25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @ 25/30fps Stream3: VGA/CIF/QVGA @ 25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream1: 500kbps-12000kbps Stream2: 100kbps-6000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Angle of View	87°~ 35°
Video  Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592×1520)  Streaming Capability 3 Streams  Stream1: 2592×1520/2560×1440/2304×1296/ 1920×1080/1280×720 @25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream2: 100kbps~12000kbps Stream3: 100kbps~6000kbps Stream3: 100kbps~3000kbps Stream3: 100kbps~3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Focus Control	Manual
Compression H.265,H.264,MJPEG  Max. Resolution 4MP(2592x1520)  Streaming Capability 3 Streams  Stream1: 2592x1520/2560x1440/2304x1296/ 1920x1080/1280x720 @25/30fps Stream2: D1/VGA/640x360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control CBR/VBR  Bit Rate Stream2: 100kbps-12000kbps Stream3: 100kbps-3000kbps St		0.3m
Max. Resolution  Streaming Capability  3 Streams  Stream1: 2592×1520/2560×1440/2304×1296/ 1920×1080/1280×720 @25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control  CBR/VBR  Stream1: 500kbps-12000kbps Stream2: 100kbps-6000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream3: 100kbps-3000kbps Stream6: 100kbps-3000kbps Stream7: 500kbps-12000kbps Stream8: 100kbps-12000kbps Stream9: 100kbps-3000kbps S	Video	
Streaming Capability  Stream1: 2592x1520/2560x1440/2304x1296/ 1920x1080/1280x720 @25/30fps Stream2: D1/VGA/640x360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control  CBR/VBR  Bit Rate  Stream1: 500kbps~12000kbps Stream2: 100kbps~6000kbps Stream3: 100kbps~3000kbps Stream3: 100kbps~3000kbps  Day/Night  ICR  Image Enhancement  HLC / Defog / WDR (120dB)  White Balance  Support  Gain Control  Auto/Manual  Noise Reduction  2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR  Support	Compression	H.265,H.264,MJPEG
Capability  Streams  Stream: 2592×1520/2560×1440/2304×1296/ 1920×1080/1280×720 @25/30fps  Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps  Stream3: VGA/CIF/QVGA @25/30fps  Bit Rate Control  CBR/VBR  Stream1: 500kbps~12000kbps  Stream2: 100kbps~6000kbps  Stream3: 100kbps~3000kbps  Stream3: 100kbps~3000kbps  White Balance  HLC / Defog / WDR (120dB)  White Balance  Support  Gain Control  Auto/Manual  Noise Reduction  2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR  Support	Max. Resolution	4MP(2592×1520)
Stream / Frame Rate		3 Streams
Bit Rate Stream1: 500kbps-12000kbps Stream2: 100kbps-6000kbps Stream3: 100kbps-3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS) Support		1920x1080/1280x720 @25/30fps Stream2: D1/VGA/640x360/CIF/QVGA @25/30fps
Bit Rate Stream2: 100kbps~6000kbps Stream3: 100kbps~3000kbps  Day/Night ICR  Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Bit Rate Control	CBR/VBR
Image Enhancement HLC / Defog / WDR (120dB)  White Balance Support  Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support	Bit Rate	Stream2: 100kbps~6000kbps
Enhancement  White Balance  Support  Gain Control  Auto/Manual  Noise Reduction  Electronic Image Stabilization(EIS)  Smart IR  Support	Day/Night	ICR
Gain Control Auto/Manual  Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS)  Smart IR Support		HLC / Defog / WDR (120dB)
Noise Reduction 2D/3D DNR  Electronic Image Stabilization(EIS) Support  Smart IR Support	White Balance	Support
Electronic Image Stabilization(EIS)  Smart IR  Support	Gain Control	Auto/Manual
Stabilization(EIS)  Smart IR  Support  Support	Noise Reduction	2D/3D DNR
···		Support
Mirror Support	Smart IR	Support
Опроп	Mirror	Support

Region of Interest	Support
Motion Detection	Support
Privacy Masking	Support
Audio	
Compression	G.711 ,RAW_PCM
Bit Rate	64kbps (G.711), 128kps (RAW_PCM)
Network	
Protocols:	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, APR, SNMP
Interoperability	ONVIF
Streaming Method	Unicast
Max. User Access	10 Users
Web Viewer	<ie11, chrome,="" firefox<="" td=""></ie11,>
Management Software	IMS 3.0
Smart Phone	IOS, Android
Intelligence	
IVS	Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Loiter ,Multi Loiter ,Object Left ,Object Removed, Abnormal Speed ,Converse, Illegal Parking , Signal Bad
Interface	
Interface Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
	1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Audio In,1ch Audio Out
Ethernet	,
Ethernet Audio Interface	1ch Audio In,1ch Audio Out
Ethernet Audio Interface Alarm	1ch Audio In,1ch Audio Out N/A
Ethernet Audio Interface Alarm RS485	1ch Audio In,1ch Audio Out  N/A  N/A
Ethernet Audio Interface Alarm RS485 BNC Output	1ch Audio In,1ch Audio Out  N/A  N/A  Support
Ethernet Audio Interface Alarm RS485 BNC Output Reset Button	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power Consumption  Operating	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE  3W(IR LED OFF), 5W (IR LED ON)  Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F)
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power  Consumption  Operating  Temperature  Operating	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE  3W(IR LED OFF), 5W (IR LED ON)  Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F)  Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power Consumption  Operating Temperature  Operating Humidity	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE  3W(IR LED OFF), 5W (IR LED ON)  Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)  Less than 90% RH
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power Consumption Operating Temperature Operating Humidity  Ingress Protection	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE  3W(IR LED OFF), 5W (IR LED ON)  Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)  Less than 90% RH  IP67
Ethernet  Audio Interface  Alarm  RS485  BNC Output  Reset Button  Edge Storage  Electrical  Power Supply  Power Consumption  Operating Temperature  Operating Humidity  Ingress Protection  Certifications	1ch Audio In,1ch Audio Out  N/A  N/A  Support  Support  Micro SD/SDHC/SDXC slot, Max 128GB  DC12V/POE  3W(IR LED OFF), 5W (IR LED ON)  Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)  Less than 90% RH  IP67  CE / FCC

## Dimensions(mm)





## Accessories

### Optional:







SN-CBK645A Junction Box



SN-BK345 Wall Mount