

# **SN-IPV7180HCBR-B**

**8MP IR Fixed Turret Network Camera** 



### **Key Features**

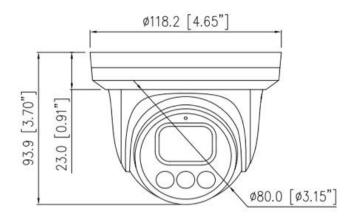
- 1/2.7" progressive scan CMOS
- Max. 8MP(3840× 2160) @25fps resolution
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, smart motion detection and people counting
- Built-in microphone
- Built-in SD card slot, up to 1TB Micro SD card
- Smart IR distance up to 30m
- IP66 protection

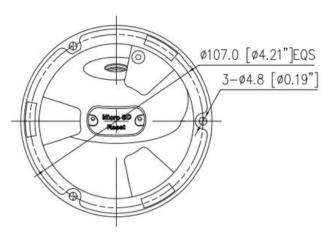
## Specification

Camera					
Image Sensor	1/2.7" Progressive Scan CMOS				
Max. Resolution	8MP (3840 × 2160)				
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s				
Min. illumination	Color: 0.01 Lux @ (F1.6,	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR			
Day & Night	IR cut filter				
Wide Dynamic Range	True WDR				
Angle Adjustment	Pan: 0° to 355°, Tilt: 0° to 80°, Rotation: 0° to 360°				
Lens					
Lens Type	Fixed focal				
Iris	Fixed Iris				
Focal Length	2.8 mm, 4 mm				
Max. Aperture	F2.0 / F1.6				
Field of View (FOV)	2.8 mm - H: 105°, V: 56° 4 mm - H : 91.5°, V: 46.3°				
DORI Distance					
Lens	Detect	Observe	Recognize	Identify	
2.8 mm	89 m (292 ft)	35.6 m (116.8 ft)	17.8 m (58.4 ft)	8.9 m (29.2 ft)	
4 mm	113 m (370.7 ft)	45.2 m (148.3 ft)	22.6 m (74.1 ft)	11.3 m (37.1 ft)	
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.					
Illuminator					
Illuminator Type	IR				
Illumination Distance	Up to 30 m (98.4 ft)				
Illumination On/Off Control	Auto/Manual				
Intelligent Analytics					
Multi-Object Detection	Supports face, human, vehicle detection				
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)				
People Counting	Support				
Video and Audio					
Streaming Capability	3 Streams				
Stream/Frame Rate	Stream1: 3840×2160, 2880×1620, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25fps Stream2: D1, VGA, CIF @ 25fps Stream3: VGA, CIF, QVGA @ 25fps (Enable WDR is 20fps)				
Bit Rate Control	CBR/VBR				
Bit Rate	Stream1: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps				
Region of Interest	Off/On (8 areas, Rectang	gle)			

Junction     Junction       Audio Compression     G-711 A How, G-711 Lickw, RAM PCM       Audio Bit Rate     64 Kops (G.711, 128 kbps (KAW_PCM)       Image Adjustment     Brightness, Sharpness, Contrast, Saturation adjustable       Scene Mode     Indoor, Outdoor, Mirror, Corridor mode       Expoure Mode     Auto, Manual, Shutter priority       White Balance     Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual       DaylyRight Sching     Auto, Day, Night, Timer       Noise Reduction     20/30 DNR       Range Inhancement     HLC, RLC, DeGo, WDR       Privacy Masking     4 areas       Events     Verstone       Verstone     Verstone       Protocols     Nam record, FTP upload, SMTP upload       Network     Image Inhances       Protocols     ONVP (workin S/T/G/M), SMS, CGI       User/Host Lited     Up to 10 users, 3 levels Administrator, Depretor, Media user       Security     Protocols flage       Built-In Microphone     Support       Solard Microphone     Support       Solard Microphone     Support       Solard Solard     Built-Inin (In/100 Base-1) RL-S Connector	Smart Encode	Support		
Audio Bit Rate64 Kbp (G.711), 128 Kbp (GAW_PCM)ImageImage Adjustment64 Kbp (G.711), 128 Kbp (GAW_PCM)Image Adjustment67 Kith (Star)Scene ModeIndoor, Outdoor, Miror, Corridor modeScene ModeAuto, Munual, Shutter printiyWhite BalanceAuto, Tungsten, Fluorescent, Daylght, Shadow, ManualDay/Night SettingAuto, Day, Night, TimerNoise Reduction20/30 DBRImage EnhancementHIC, BLC, Delog, WDRFritoxy MakingA areaEventAuro (Eng. WDR)Alarm Treder, FIP uplead, SMTP upleadNetworkWerenProtocolsOxin, FIP uplead, SMTP upleadNetworkUplead (Str), SMNP, MulticatInteroperabilityOxin (Prife ST/G/M), SOL, CGIUser/Nost Level19 address filter, encrypted HITPS, liegal login lock, IEEE 802, 1xNetwork211, Chrome, Firefox, Microsoft EdgeNetwork211, Chrome, Firefox, Microsoft EdgeNetwork interface1 Ethernet (10/100 Base-1) Ri-45 ConnectorBuilt-in MicrophoneSupportSupportSupportSocurityCit 040°C (227 to 140°F)Operating PrimerSupportSupportSupportSupportSupportSupportSupportDecordsSupportSupportSupportSupportSupportDecordsSupportSupportSupport (227 to 140°F) 1Operating Temportation9K (100°F) (227 to 140°F) 1Operating Temportation9K (100°F				
Image     Image Adjustment     Brightness, Sharpness, Contrast, Saturation adjustable       Scene Mode     Indoor, Ouddoor, Mirror, Corridor mode       Exposure Mode     Auto, Nanaul, Shutter priority       White Balance     Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual       DayNight Setting     Auto, Day, Night, Timer       Noise Reduction     2D/3D DNR       Image Enhancement     HLC, BLC, Defng, WDR       Privacy Masking     4 areas       Event     Alarm Trigger       Alarm Trigger     N/S, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events     Alarm Trigger       Protocols     Deta/IPA, HTP/HTTPS, DSS, DONS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, DOS, DUNS, DHCP, PEPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, SMTP,				
Image Adjustment     Brightness, Sharpness, Contrast, Saturation adjustable       Scene Mode     Indoor, Outdoor, Mirror, Corridor mode       Exposure Mode     Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual       Day/Night Setting     Auto, Day, Night, Timer       Noise Reduction     2D/3D DNR       Image Enhancement     HLC, BLC, Defog, WDR       Privacy Masking     4 arcas       Event     Aurn record, FTP upload, SMTP upload       Aurn record, FTP upload, SMTP upload     Aurn record, FTP upload, SMTP upload       Network     Interoperability       Protocols     DoS, ICMP, IGNNF, SMTP, BO2, Lo, SMMP, Multicast       Interoperability     ONNE (Fording ST//GMN, SMC, GGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, INS, Conscont Edge       Interoperability     ONNE (Fording ST//GMN, SMC, GGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     1E11, Chrome, Firefox, Microsoft Edge       Interface     Interface       Support     Suppo		04 Kbps (0.711), 128 Kbps (KAW_PCW)		
Seene Mode     Indoor, Outrioor, Mirror, Corridor mode       Exposure Mode     Auto, Manual, Shutter priority       White Balance     Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual       Day, Might Setting     Auto, Day, Night, Timer       Noise Reduction     20/SD DNR       Image Enhance     HLC, EUC, Defog, WDR       Privacy Masking     4 area       Event     Alarm record, FTP upold, SMTP upola       Alarm Triggers     IVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events     Alarm record, FTP upold, SMTP upola       Network     Imed/Prof, HTTP/HTTPS, DNS, DDNS, DHCP, PPDE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPNP, FTP, SMTP, ODS, ICM, FMTP, SMTP, SOZ, LS, SMMP, Multicast       Interoperability     ONNIF (POILE SYTL/S/MNS, PAG, GGI       User/Host Level     Up to I Guers, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     IEEEnret (10/100 Base-T) RI-4S Connector       Bulli-In Microphone     Support       So Card Stot     Bulli-In Microphone, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Default: English       Operating Temperature     -07C to 6CT (-227* to 140°F )		Brightness Charpness Contract Saturation adjustable		
Exposure ModeAuto, Manual, Shutter priorityWhite BalanceAuto, Tungsten, Fluorescent, Daylight, Shadow, ManualDay/Night SettingAuto, Day, Night, TimerNoise Reduction20/3D DNRImage EnhancementHLC, BLC, Defog, WDRPrivacy MaskingareasZentTurgersAlarn TriggersIVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detectionEvents ActionsAlarn record, FTP upload, SMTP uploadNetworkTurgersProtocolsIQS, (CMP, IGMF, SMTP, ROZ, LS, SMMP, MulticatInteroperabilityONVIF (Profile S/T/G/N), SDK, CGIUser/Hot LevelUp to 10 users, 31 evels: Administrator, Operator, Media userSecurityPeddress filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer-Elthernet (J0/100 Base-T) RI-45 ConnectorBuilt-in MicrophoneSupportStard SlotBuilt-in, up to TTBRestButtonSupportCeneral				
White Balance     Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual       Day/Night Setting     Auto, Day, Night, Timer       Noise Reduction     2D/3D DNR       Image Enhancement     HLC, BLC, Defog, WDR       Privacy Masking     4 areas       Event     Alarm Triggers       Alarm Triggers     IVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events Actions     Alarm record, FTP upload, SMTP upload       Network     Protocols       Protocols     Dev/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPP6E, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, OcS, LS, SMM, Multicast       Interoperability     ONVIF (Profile S/T/G/M), SDK, CGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     12 Ethernet (10/100 Base-T) RJ-4S Connector       Built-in Microphone     Support       SD Card Slot     Built-in, up to TIB       Reset Button     Support       General     Erglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Default: English       Power Supply     DC12V (15% to -25%)/PcI (IEE 802.3af)				
Day/Night SettingAuto, Day, Night, TimerNolse Reduction2D/3D DNRImage EnhancementHLC, BLC, Defog, WDRPrivacy Masking4 areasEventAlarn TriggersNS, Motion detection, Network alarm, Disk alarm, Abnormal sound detectionEvents ActionsNS, Motion detection, Network alarm, Disk alarm, Abnormal sound detectionNetworkProtocolsIPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPNP, FTP, SMTP, CoS, ICMP, IGMP, SMTP, SU21, SMMP, MulticastInteroperabilityONVIF (Forlite S/T/IC/M), SDK, CGIUser/Host LevelUp to Du sers, 3 levels: Administrator, Operator, Media userSecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer <tell1, chrome,="" edge<="" firefox,="" microsoft="" td="">InterfaceNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorBuilt-in, up to TBSupportSecard SlotBuilt-in, up to TBReset ButonCO12V (-15% to +25%)/PoE (IEEE 802.3ar)Power ConsumptionCO12V (-15% to +25%)/PoE (IEEE 802.3ar)Power Consumption20V (IR OFF), Max 4.5W (IR ON)Operating Temperature30°C to 60°C (-22° to 140° F)Operating HumidityLesthan 90% RHIngress ProtectionIF66CertificationsPGEAuminum alloy body + PlasticDimensions4 Juanualloy body + Plastic</tell1,>				
Noise Reduction     2D/3D DNR       Image Enhancement     HLC, BLC, Defog, WDR       Privacy Masking     4 areas       Event     Aarm Triggers       Alarm Triggers     MS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events Actions     Alarm record, FTP upload, SMTP upload       Network     Protocols       Protocols     Dev/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPPP, FTP, SMTP, GoS, ICMP, IGMP, SMTP, 802.1x, SMMP, Multicast       Interoperability     ONWIF (Profile S/T/G/M), SMC, CGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     1E thernet (10/100 Base-T) RI-45 Connector       Built-In Microphone     Support       Sto Card Slot     Built-In, up to 1TB       Reset Button     Support       Careral     English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Default: English       Power Supply     DC12V (15% to 425%)/PE (IEEE 802.3af)       Power Gonsemption     2W (IR OFF), Max 4.5W (IR ON)       Operating Temperature     -0°C to 6°C (22* Ft to 140° F)	White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual		
Inage Enhancement     HC, BLC, Defog, WDR       Privacy Masking     4 areas       Event     Event       Alarm Triggers     IVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events Actions     Alarm record, FTP upload, SMTP upload       Network     Protocols       Protocols     IPs/IPv6, HTTP/HTP/S, DNS, DDNS, DHCP, PPP6E, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPAP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SMMP, Multicast       Interoperability     ONVIF (Profile S/T/G/M), SDK, CGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     611, Chrone, Firefox, Microsoft Edge       Buit-In Kinerface     1 Ethernet (10/100 Base-T) RI-4S Connector       Buit-In Kinerface     Support       So Card Siot     Built-In, up to TB       Reset Button     Support       Language     English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English       Power Consumption     20V (IR OFF), Max 4.5W (IR ON)       Operating Temperature     -30°C to 60°C (-22°F to 140°F )       Operating Humidity     Less than 90000 H Pissic	Day/Night Setting	Auto, Day, Night, Timer		
Privacy Masking     4 areas       Event     Commercial Commercia	Noise Reduction	2D/3D DNR		
Event       Alarm Triggers     VS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection       Events Actions     Alarm record, FTP upload, SMTP upload       Network     Protocols       Divertion of the stress	Image Enhancement	HLC, BLC, Defog, WDR		
Alarm TriggersIVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detectionEvents ActionsAlarm record, FTP upload, SMTP uploadNetworkIVPA/IPV6, HTTP/HTTPS, DNS, DDNS, DICP, PPPOE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, Cos, ICMP, IGMP, SMTP, 802.1x, SIMMP, MulticastInteroperabilityONVIF (Profile S/T/G/M), SDK, CGIUser/Host LevelUp to 10 users, 3 levels: Administrator, Operator, Media userSecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewere1611, chrone, Firefox, Microsoft EdgeInterfaceSupportSocuritySupportSocuritySupportSocuritySupportSocuritySupportSocurityCol212/ (15% to +25%)/PoE (IEEE 802.3af)Power SupplyDC122/ (15% to +25%)/PoE (IEEE 802.3af)Power SupplyDC122/ (15% to +25%)/PoE (IEEE 802.3af)Power Consumption20° (IC 060°C (-22° Ft o 140° F)Operating Temperature-30° Ct o60°C (-22° Ft o 140° F)Operating HumidityLess than 90% RHIngress ProtectionEC-EMC (EN 55032:2015+A1:2020, EN IEI EG 1000-6-3:201, EN IEI G 1000-3-2:2019+A1:2021, EN 61000-3-2:2019+A1:2021, EN 61000-3-2	Privacy Masking	4 areas		
Events Actions     Alarm record, FTP upload, SMTP upload       Network     Protocols     IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPP6E, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, OS, ICMP, ISMP, 802, 1x, SNNP, Multicast       Interoperability     ONVIF (Profile S/T/G/M), SDK, CGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, nerrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer     cell1, Chrome, Firefox, Microsoft Edge       Interface     1 Ethernet (10/100 Base-T) RI-4S Connector       Built-In Microphone     Support       Socard Slot     Built-In, up to 1TB       Reset Button     Support       Ceneral     Clific to 125% /PoE (IEEE 802.3af)       Power Consumption     CUV (IS FF), Max 4.5W (IR ON)       Operating Temperature     -30°C to 60°C (-22°E to 140°F )       Operating Humidity     Less than 90% RH       Ingress Protection     IP66       Certifications     CE <sup>C</sup> FEMC (FICM S5032:2017+A11:2020, EN IEC 61000-63:2021, EN IEC 61000-32:2019+A11:2021, EN 61003-32:2019+A11:2021, EN 61030-32:2019+A11:2021, EN 61030-32:2	Event			
Network       Protocols     IPv4/IPv6, HTTP/HTPS, DNS, DDNS, DLCP, PPPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QCS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast       Interoperability     ONVIF (Profile S/T/G/M), SDK, CGI       User/Host Level     Up to 10 users, 3 levels: Administrator, Operator, Media user       Security     IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x       Web Viewer <iei1, chrome,="" edge<="" firefox,="" microsoft="" td="">       Interface        Network Interface     1 Ethernet (10/100 Base-T) RI-45 Connector       Built-In Microphone     Support       SD Card Slot     Built-In, up to TIB       Reset Button     Support       Caneral        Power Consumption     2UV (IR OFF), Max 4.5W (IR ON)       Operating Temperature     -30°C to 60°C (-22°E to 140°E)       Operating Humidity     Less than 90% RH       Ingress Protection     IP66       Certifications     Sc033:2015+A1:2020, EN IEI C6 1000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3- 2:0219+A1:2021, EN 5503:2017+A1:2020, EN S503:2017+A1:2021, EN 1EC 61000-3-2:2019+A1:2021, EN 61000-3- 2:0219+A1:2021, EN S503:2017+A1:2020, EN S503:4-2014, ICC 10100-3- 2:0219+A1:2021, EN S503:2017+A1:2020, EN IEI C6 1000-6-3:2019+A1:2021, EN 61000-3- 2:0219+A1:2021, EN S5033:2017+A1:2020, EN S5013:0-4:2011+A1:2021 &lt;</iei1,>	Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection		
ProtocolsIPV4/IPV6, HITP/HITPS, DNS, DDNS, DLCP, PPPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPPP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNNP, MulticastInteroperabilityONVIF (Profile S/T/G/M), SDK, CGIUser/Host LevelUp to 10 users, 3 levels: Administrator, Operator, Media userSecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer <ei1, chrome,="" edge<="" firefox,="" microsoft="" td="">InterfaceNetwork Interface1 Ethernet (10/100 Base-T) RI-45 ConnectorBuilt-In MicrophoneSupportSD Card SlotBuilt-In, up to ITBReset ButtonSupportConcerolUarguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F)Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCC-EMC (EIN 5033:2015+A11:2020, EN IEC 61000-6-3:2011, EN EC 61000-3-2:2019+A1:2021, EN 61000-3-2:2019</ei1,>	Events Actions	Alarm record, FTP upload, SMTP upload		
ProtocolsQoS, ICMP, IGMP, SMTP, 802.1x, SNMP, MulticastInteroperabilityONVIF (Profile S/T/G/M), SDK, CGIUser/Host LevelUp to 10 users, 3 levels: Administrator, Operator, Media userSecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer <ei11, chrome,="" edge<="" firefox,="" microsoft="" td="">Interface1 Ethernet (10/100 Base-T) RI-45 ConnectorBuilt-in MicrophoneSupportSD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralEuglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F)Operating HumidityLess than 90% RHIngress ProtectionIPE-ENG202:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 55035:2017+A1:2020, EN S0130-4:2011+A1:2014) FCC (FCC 47 CF R15, Subpart B, ANSI CG3.4-2014)MaterialAuminum alloy body + PlasticDimensions+118.2 × 93.9 mm (\$4.65 × 3.7 inch)</ei11,>	Network			
User/Host LevelUp to 10 users, 3 levels: Administrator, Operator, Media userSecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer <eie1, chrome,="" edge<="" firefox,="" microsoft="" td="">InterfaceNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorBuilt-in MicrophoneSupportSD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralLanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating TemperatureCE-EMC (EIN S5032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2019+A1:2021, EN 61000-3-3:2019+A1:2021, EN 61000-3-3:2019+A1:2021, EN 61000-3-3:2019+A1:2021, EN 51032-4:2019+A1:2021, EN 61000-3-3:2019+A1:2021, EN 51032-2015+A1:2020, EN S1030-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions0118.2 × 93.9 mm (dp4.65 × 3.7 inch)</eie1,>	Protocols			
SecurityIP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1xWeb Viewer<	Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI		
Web Viewer<	User/Host Level	Up to 10 users, 3 levels: Administrator, Operator, Media user		
InterfaceNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorBuilt-in MicrophoneSupportSD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3- 3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$118.2 × 93.9 mm (\$4.65 × 3.7 inch)	Security	IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x		
Network Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorBuilt-in MicrophoneSupportSD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralLanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionFE-EMC (EN 55032:2015+A1:2020, EN EEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN S5035:2017+A11:2020, EN S0130-4:2011+A1:2014) FCC (FC C47 CFR 15, Subpart B, ANSI C63-4:2014)MaterialAluminum alloy body + PlasticInnensions $\phi$ 118.2 × 93.9 mm (\$\phi.65 × 3.7 inch)	Web Viewer	<ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""></ie11,>		
Built-in MicrophoneSupportBuilt-in MicrophoneBuilt-in, up to 1TBReset ButtonSupportGeneralEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCEF-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55033:2017+A1:2020, EN 50130-4:2011+A1:2014) 	Interface			
SD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2021, EN 51035:2017+A11:2020, EN S0130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions $\phi$ 118.2 × 93.9 mm ( $\phi$ 4.65 × 3.7 inch)	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector		
Reset ButtonSupportGeneralLanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions $\phi$ 118.2 × 93.9 mm ( $\phi$ 4.65 × 3.7 inch)	Built-in Microphone	Support		
GeneralLanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$ 118.2 × 93.9 mm (\$4.65 × 3.7 inch)	SD Card Slot	Built-in, up to 1TB		
LanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN S0330-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$18.2 × 93.9 mm (\$4.65 × 3.7 inch)	Reset Button	Support		
Power SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 5503:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 5503:04:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions $\phi$ 118.2 × 93.9 mm ( $\phi$ 4.65 × 3.7 inch)	General			
Power Consumption2W (IR OFF), Max 4.5W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3- 3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions $\phi$ 118.2 × 93.9 mm ( $\phi$ 4.65 × 3.7 inch)	Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English		
Operating Temperature-30°C to 60°C (-22°F to 140°F )Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$ 118.2 × 93.9 mm (\$4.65 × 3.7 inch)	Power Supply	DC12V (-15% to +25%)/PoE (IEEE 802.3af)		
Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$ 118.2 × 93.9 mm (\$4.65 × 3.7 inch)	Power Consumption	2W (IR OFF), Max 4.5W (IR ON)		
Ingress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3- 3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy body + PlasticDimensions\$ 118.2 × 93.9 mm (\$4.65 × 3.7 inch)	Operating Temperature	-30°C to 60°C (-22°F to 140°F )		
Certifications     CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014)       Material     Aluminum alloy body + Plastic       Dimensions     \$ 118.2 × 93.9 mm (\$ 4.65 × 3.7 inch)	Operating Humidity	Less than 90% RH		
Certifications     3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014)       Material     Aluminum alloy body + Plastic       Dimensions     φ 118.2 × 93.9 mm (φ4.65 × 3.7 inch)	Ingress Protection	IP66		
Dimensions     φ 118.2 × 93.9 mm (φ4.65 × 3.7 inch)	Certifications	3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014)		
	Material	Aluminum alloy body + Plastic		
Net Weight     0.53 kg (1.17 lb)	Dimensions	$\Phi$ 118.2 × 93.9 mm ( $\phi$ 4.65 × 3.7 inch)		
	Net Weight	0.53 kg (1.17 lb)		

## **Dimensions (mm)**





#### Accessories

**Optional:** 



SN-CBK646M Junction Box



SN-CBK502 Wall Mount



SN-CBK203 Pendant Cap



SN-CBK101 Pole Mount



SN-CBK402 Pendant Mount



SN-CBK102 Corner Mount



SN-CBK501 Wall Mount