





## **XRN-420S**

4CH NVR



## **Key Features**

- Up to 4CH, 8MP camera supported
- H.265, H.264, MJPEG codec
- AI Search: Object Attribute (When integrated with Wisenet AI Camera)
- 50Mbps network camera recording
- Plug & play by 4 PoE (LAN, 10/100), 1 PoE (WAN, 1Gbps)
- Max. 1HDD (Max. 6TB)
- HDMI / VGA local monitor
- ARB supported
- P2P service (QR code connect) support





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4CH NVR

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## **Specifications**

Resolution     BMP - C F       Protocols     SUNAPL ONVF       Peodoling     Local Display     HoML VGA       Multi Screen Display     IboML VGA     Web J / 2W/ 3W/4 / Sequence Web J / 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Bubdioniol J 2W 2W/ 3W/4 / Sequence     Web J / 2W/ 2W/ 3W/4 / Sequence       Protocols     Encolution     H265, H.264, MJPEO     Web / 2W/ 2W/ 2W/ 3W/4 / Sequence       Protocols     Hadde     Innx     Web / 2W/ 2W/ 2W/ 2W/ 2W/ 2W/ 2W/ 2W/ 2W/ 2			
Protocia     SUMPL OWNF       Pending     Incal Display     IDMA Monitory 31 20/ 2014/ 3014 Sequence       Besidurian     Ibadi Monitory 31 20/ 2014/ 3014 Sequence       Besidurian     Ibadi Monitory 31 20/ 2014/ 3014 Sequence       Performance     Ibadi Monitory 31 201 (2014) Sequence       Performance     Ibadi Monitory 31 2014 (2014) Sequence       Performance     Ibadi Monitory 31 201 (2014) Sequence       Performance     Ibadi Monitory 31 2014 (2014) Sequence Sequence       Performance     Ibadi Monitory 31 2014 (2014) Sequence Sequence       Performance     Ibadi Monitory 31 2014 (2014) Sequence Sequence Sequence       Ibadi Mo	Network camera	Inputs	Max. 4CH
Bending     Kinkl Dipping     Hold No. K.A.       Mild Screin Disping     Resolution     Reso		Resolution	8MP ~ CIF
Multi Screen Display     [Data Monitor]     [Data Monitor]       Recolution     [Local Monitor]     [Local Monitor]       Performance     [Local Monitor]     [Local Monitor]       Performance     [Inva     [Local Monitor]       Operating System     [Encoding Bonduith     Max SOMps       Record     [Inva     [Compression     Max SOMps       Recording Bonduith     Max SOMps     [Recording Bonduith     Max SOMps       Record Encoding Bonduith     Max SOMps     [Recording Bonduith     Max SOMps       Record Encoding Bonduith     Max SOMps     [Recording Bonduith     Max SOMps       Record Encode Bonduith     Max SOMps     [Recording Bonduith     Max SOMps       Record Encode Compression     Alam Input Video Loss Camera Event/Sensor, MD, Video Analytics, Defocus Audiol, Dynamic Event       Sensor & Filey     Paylack Banduith     Max SOMps       Sensor & Encode Compression     Max JOCH, Denote ACH Periods Cham Out Buzer, Monitor Out Buz		Protocols	SUNAPI, ONVIF
International (Web) 1 29/21/2019.01       Resolution     Local Monitor)       Subject 1000/112019.01/2019.02019.01/12019.01     Subject 1000/112019.01       Performance:     Final Compression     Hiads 14.44.MIPEG       Record     Max Subbps     Max Subbps       Performance:     Final Compression     Hiads 14.44.MIPEG       Record     Max Subbps     Max Subbps       Performance:     Final Compression     Max Subbps       Performance:     Max Subbps     Max Subbps       Performance:     Final Compression     Max Subbps       Performance:     Max Subps     Max Subps       Performance:     Performance:     Performance:       Performance:     Performance:     Performance:       Performance:     Max Subps     Max Subps       Performance:     Performance:     Performance:       Performance: <td>Decoding</td> <td>Local Display</td> <td>HDMI, VGA</td>	Decoding	Local Display	HDMI, VGA
initialization in the second		Multi Screen Display	
Constraints System     Enhedded     Linux       Record     Compression     H.265, H.264, M.JPEG       Recording Bandwidth     Max. SOMbps       Stream     File Section       Vert Action     e-Mail. Event Push, PT2 Preset. Alarn Out, Buzzer, Monitor Out       Stream     Max. 4 Users (Local 1. Remote 3)       Stream     Max. 4 Users (Local 1. Remote 4CH per user)       Max. 4 Users (Local 1. Remote 4CH per user)     Max. 4 Users (Local 1. Remote 4CH per user)       File Section     Off S       Mode     Date & Time(Calendar), Event list, Text Search, Smart Search       Recolution     Off S       Mode     Stream       Backup     Sing Cale (GUI), J.PG/M(INctwork)       Backup     If backup     Supt Ce(GUI), J.PG/M(INctwork)       Protocol     Vuert Action Source/NovePrice (Client), Stream, Source, Client)       DINS     Vuert Actin Source/NovePrice (Polipe), Stream, Client), Stream, Client), S		Resolution	
Record     Compression     H.265, H.264, MJ/FEG       Recording Bandwidth     Max. SOMbps     Recording Bandwidth     Max. SOMbps       Recording Bandwidth     Max. SOMbps     Recording Bandwidth     Max. SOMbps       Mode     Normal. Dual Stream. Schedule(Continuous/Event), Event (Pre/Post), Bookmark     Recording Bandwidth     Max. Moreal. Dual Stream. Schedule(Continuous/Event), Event (Pre/Post), Bookmark       Search & Play     Payback Bandwidth     Max. 32Mbps     Max. 40 Users (Local 1, Remote 3)       Search & Play     Viser     Max. 40 Users (Local 1, Remote 4)     Max. 16CHI Local 4CH, Remote 4CH per user)       Fisheye Dewarping     CMS     Max. 16CHI Local 4CH, Remote 4CH per user)     Max. 16CHI Local 4CH, Remote 4CH per user)       Resord     Disor     CH = MBP     CH = MBP     CH = MBP       Norde     Data & Time(Calendar), Event list, Text Search, Smart Search     Max. 16CHI Local 4CH, Remote 4CH per user)       Resorder     Fisheye Dewarping     CMS     Max. 16CHI Local 4CH, Remote 4CH per user)       Resorder     CH = MBP     Up to 6TB     Max. 16Min     Max. 16Min Active Actithe Actinone(Up to ACIH) Play. Date-Time/Title display	Performance		
Recording Bandwitch     Max. S0Mbp/s       Resolution     BMP - CIF       Mode     Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark       Event Trigger     Alarm Input, Video Loss, Camera Event(Senson, MD, Video Analytics, Defocus, Audio), Dynamic Event       Search & Play     Play Boadwitch     Max. 32Mbps       Mode     Max. 32Mbps     Max. 32Mbps       Search & Play     Max. 4 Users (Local 1, Remote 3)     Max. 32Mbps       Search & Search & Search     Mode     Max. 4 Users (Local 4 CH, Remote 4CH per user)     Max. 4 Users (Local 4 CH, Remote 4CH per user)       Search & Search & Search     Mode     Date & Time(Calendar), Event List, Text Search, Smart Search     Mode       Search & Search     Mode     Date & Strig (Sov Forward / Backward, Move one step Up / Down     Max. 4000000000000000000000000000000000000	Operating System	Embedded	Linux
Resolution     BMP - CIF       Mode     Normal. Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark       Event Trigger     Alarm Input. Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event       Search & Play     Playback Bandwidh     Max: 32Mbps       Usern Trigger     Max: 32Mbps     Max: 32Mbps       Search & Play     Playback Bandwidh     Max: 32Mbps       Made     Max: 32Mbps     Max: 32Mbps       Search & Play     Max: A Users (Local 4.CH, Remote 3)       Search & Simultaneous playback     Max: 32Mbps     Max: 32Mbps       Mode     Date & Time(Calendar), Event list, Text Search, Smart Search     Max: 32Mbps       Search     Resolution     CF - 6MP     Falsback Control       Resolution     CF - 6MP     Stat 1.as(Max: ATB)       Backup     Flebackup     Up to 6TB     Max: 32Mbps       Backup     Flebackup     Nutli channel(Up to 4CH) Play, Date=Time/Title display       Event NL     Function     Max: 64Mbps       Audio     C4H (network/Aloutput (Sert)     Max: 64Mbps       Audio     C4H (network/Aloutput (Sert)     C4H (network/Aloutput (Sert)	Record	Compression	H.265, H.264, MJPEG
Mode     Normal, Dual Stream, Schedule/Continuous/Event), Event (Pre/Post), Bookmark       Fert Artigger     Alarn Input, Video Loss, Camera Event/Sensor, MD, Video Analytics, Defocus, Audiol, Dynamic Event       Search & Play     PayAec Randwidt     Asa. 32Mps       Search & Play     PayAec Randwidt     Mask. Users (Local 1, Remote 3)       Search & Play     Markineous play due     Mask. Oscill (Local 4CH, Remote 3)       Files Poewarping     Gue     Mode     Mask. Sociel (Local 4CH, Remote 3)       Files Poewarping     Mask. Sociel (Local 4CH, Remote 4CH per user)     Mode       Storage     Files Poewarping     Mode     Mode       PayAec Control     Files Sociel (Local 4CH, Remote 4CH per user)     Mode       Storage     Files Poewarping     Control 4DD     Mode       PayAec Control     Files Sociel (Local 4CH, Remote 4CH per user)     Mode       Storage     Files Poewarping     Control 4DD     Storage Control 4DD       Polyto     Mode     Asta Caldward, Move one step Up / Down     Storage Control 4DD       Polyto     Mode Control 4DD     Up / Eve Control 4DD     Storage Control 4DD       Polyto     Mode Control 4DD     Mode Control 4DD		<b>Recording Bandwidth</b>	Max. 50Mbps
Funct Trigger     Alarm Input. Video Loss. Camera Event/Sensor, MD, Video Analytics. Defocus, Audio), Dynamic Event       Search & Play     Playback Bandwidth     Max. 32Mbps       User     Max. 4 Users (Local 1, Remote 3)       Simultaneous playback     Max. 4 Users (Local 1, Remote 3)       Simultaneous playback     Max. 4 Users (Local 1, Remote 4CH per user)       Fishey Dewarping     CMS       Mode     Date & Time(Calendar), Event list, Text Search, Smart Search       Resolution     GIF = AMP       Vision     GIF = AMP       Backup     Ele backup       Playback Control     Fast/Slow Forward / Backward, Move one step Up / Down       Storage     Supported HDD     Up to 6TB       Horb Sol     SATA Lea(Max. GTB)       Backup     File backup     Mult channel(Up to 4CH) Play, Date-Time/Title display       Intervish     Vision Provide V/ DUP/P, RTP (UDP)P, RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDN:       DDNs     Vision Provide V/ Down     Mawba DDNS       Transmission Bandwidt     Max, 64Mbps     Max, 64Mbps       Markemote Users     Search(J), Live Unicast(JO, Multicast(ZO)     Search(J), Live Unicast(JO, Multicast(ZO)		Resolution	8MP ~ CIF
Frent Action     e-Mail. Event Push, PT2 Preset. Alarm Out, Buzzer, Monitor Out       Search & Play     Playback Bandwidth     Max. 32Mbps       Search & Play     Flase Bandwidth     Max. 4 Users (Local 1, Remote 3)       Simultaneous playback     Max. 1 Oct (Local 4CH, Remote 4CH per user)     Flase       Fishey Dewarping     CMS     CMS       Mode     Date & Time(Calendar), Event IIst. Text Search, Smart Search     CMS       Resolution     CMF- BMP     Up to 6TB     CMS       Storage     Supported Date & Time(Calendar), Event IIst. Text Search, Smart Search     Mode     Smart Search       Bub     Supported Date & Time(Calendar), Event IIst. Text Search, Smart Search     Mode     Smart Search       Bub     Supported Date & Time(Calendar), Event IIst. Text Search, Smart Search     Mode     Smart Search       Bub     Supported Date & Start Icae(Max, 6TB)     Smart Search     Smart Search       Bub     Supported Date & Start Icae(Max, 6TB)     Smart Search     Smart Search       Bub     Supported Date & S		Mode	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
Search & Play     Playback Bandwidth     Max. 32Mbps       User     Max. 4 Users (Local 1. Remote 3)       Simultaneous playback     Max. 16CH(Local 4CH, Remote 4CH per user)       Fishey Dewarping     CMS       Mode     Date & Time(Calendar). Event list. Text Search. Smart Search       Resolution     CIF - 8MP       Playback Control     Patyback Control       Playback Control     SatX1 Sour Forward / Backward, Move one step Up / Down       Starge     Supported HDD     Up to 6TB       HDD Stor     SATA 1ea(Max. 6TB)       Backup     File backup     Bu/Exc(GUI), JPG/AVI(Network)       Retwork     Wuhrther Supported HDD     Wuhrther Supported HDD       Protocol     User Control     Bu/Exc(GUI), JPG/AVI(Network)       Retwork     Wuhrther Supported HDD     Wuhrther Supported HDD       Protocol     Supported HDD     Wuhrther Supported HDD       DNS     Supported HDD     Supported HDD       Supported HDD     Supported HDD     Supported HDD       Muttore Supported HDD     Supported HDD     Supported HDD       Supported HDD     Supported HDD     Supported HDD		Event Trigger	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event
User     Max. 4 Users (Local 1, Remote 3)       Sinultaneous playback     Max. 16CHLocal 4CH, Remote 4CH per user)       Fishey Dewarping     CMS       Mode     Date 8. Time(Calendar), Event list, Text Search, Smart Search       Resolution     CIF - 8MP       Playback Control     Fast/Slow Forward / Backward, Move one step Up / Down       Storage     Supported HDD     Up to 6TB       HDD Slot     SATA 1ea(Max. 6TB)       Backup     File backup     BU/Exe(GUI), JPG/JVI(Network)       Function     Multi channel(Up to 4CH) Play, Date-Time/Title display       Protocol     Protocol     Protocol       Supported HDD     UP to 6TB     Wulti channel(Up to 4CH) Play, Date-Time/Title display       Protocol     First SimMP, ONVIF (Profile-S), SUNAPI(Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDN:       Protocol     IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, I-TTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDN:       DDNS     Hanwha DDNS     Max 64Mbps       Audio     GUI     4CH (network)/output (Set)       Max 64Mbp     Search(3), Live Unicast(10), Multicast(20)       Search(3), Live Unicast(10), Multicast(20)     Search(3), Live Unicastor 0, Signed firmware		Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Simultaneous playback     Max.16CH(Local 4CH, Remote 4CH per user)       Fishey Dewarping     GMS       Mode     Date & Time(Calendar), Event list, Text Search, Smart Search       Resolution     CIF - 8MP       Playback Control     Fish(SU) Forward / Backward, Move one step Up / Down       Storage     Supported HDD       HDD Slot     Sat/ Lea(Max. 6TB)       Backup     File backup       File backup     BU/Exe(GUI), JFG/AVI(Network)       Function     Will ichannel(Up to 4CH) Play, Date-Time/Title display       Protocol     Vull ichannel(Up to 4CH) Play, Date-Time/Title display       Protocol     Vull ichannel(Up to 4CH) Play, Date-Time/Title display       Protocol     Vull ichannel(Up to 4CH) Play, Date-Time/Title display       DDNS     Vull ichannel(Up to 4CH) Play, DATE-TIME/TITLE, NETTER-TITLE, DATE-TIME, SIMP, NICHAP, IGMP, ARP, DANS, DATE-TIME, SIMP, ONVIF (Profile-S), SUNAPI(Server, Client)       Audio     Sub ichan (Mutorid) (Muticatt)	Search & Play	Playback Bandwidth	Max. 32Mbps
Fisheye Dewarping     CMS       Mode     Date & Time(Calendar), Event list, Text Search, Smart Search       Resolution     CIF - 8MP       Plyback Control     Fast/Slow Forward / Backward, Move one step Up / Down       Storage     Supported HDD     Up to 6TB       HDD Slot     SATA Lea(Max, 6TB)       Backup     File backup     BU/Exe(GUI), JPG/AVI(Network)       Function     Multi channel(Up to 4CH) Play, Date-Time/Title display       Vetwork     Vetwork     Vetwork)       Protocol     Vety (IPV, FC, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, UVPR, PMTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)       DDNS     Vanwha DDNS       Transmission Bandwidt     Max. 64Mbps       Audio     GUI     4(Intervork/Joutput (Set)       Make Communication     2(Nave       Vetwork     Vetwork     Vetwork       Transmission Bandwidt     Vano       Audio     GUI     4(Intervork/Joutput (Set)       Make Communication     2(Nave       Vetwork     Vetwork     Vetwork       Security     Search(3), Live Unicast(10), Multicast(20)		User	Max. 4 Users (Local 1, Remote 3)
Mode     Date & Time(Calendar), Event list, Text Search, Smart Search       Resolution     CIF - 8MP       Payback Control     Fast/Slow Forward / Backward, Move one step Up / Down       Storage     Supported HDD     Up to 6TB       HDD Slot     SATA 1ea(Max. 6TB)       Backup     File backup     BU/Exe(GU), JPG/AVI(Network/       Function     Bu/Exe(GU), JPG/AVI(Network/     Bu/Exe(GU), JPG/AVI(Network/       Protocol     UP v1. Pv4. FV2/FV2. TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, DDN2       Protocol     UP4. IPv4. TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, DDN2       DDNS     Hanwha DDNS     Max. 64Mbps       Audio     GU     42 (Inetwork/output (Set)     Max. 64Mbps       Max.     GMID     GII. G. 726, AAC(16/48KH2)     Max. 64Mbps       Max Remote Users     Search(3), Live Unicast(10), Multicast(20)     Prodicestilitation     Diverce certificate(Hanwha Techwin Root CA), Signed firmware       Web viewer     Supported OS     Windows 10, macCS 10.13     Gogle Chrome, Microsoft Edge, Mac Safari		Simultaneous playback	Max. 16CH(Local 4CH, Remote 4CH per user)
Resolution   CIF ~ 8MP     Playback Control   Fast/Slow Forward / Backward, Move one step Up / Down     Storage   Supported HDD   Up to 6TB     HDD Slot   SATA 1ea(Max. 6TB)     Backup   File backup   BU/Exe(GUI), JPG/AVI(Network)     Function   Multi channel(Up to 4CH) Play, Date-Time/Title display     Vetwork   Vetwork     Protocol   Vetwork     Backup   IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS     Transmission Bandwidth   Vetwork/UPN, AMbpS     Audio   GUI   4CH (network)/output (Set)     Max. 64Mbps   GUI   G.711, G.726, AAC(16/48KH2)     Audio   Vetwork   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering. User access Log, 802, 1.x Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Goigle Chrome, Microsoft Edge, Mac Safari		Fisheye Dewarping	CMS
Payback Control     Fast/Slow Forward / Backward, Move one step Up / Down       Storage     Supported HDD     Up to 6TB       HDD Slot     SATA 1ea(Max. 6TB)       Backup     File backup     BU/Exe(GUI), JPG/AVI(Network)       Function     Multi channel(Up to 4CH) Play. Date-Time/Title display       Vertwork     Vertwork       Protocol     Verty Apply (PvG, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, DDNS       DDNS     Hanwha DDNS       Transmission Bandwidtt     Max. 64Mbps       Audio     GUI     Ac. 44Mbps       Audio     GUI Ac (Tek work/)output (Set)       Max Remote Users     Search(3). Live Unicast(10). Multicast(20)       Security     IP address filtering. User access Log. 802.1x. Encryption Device certificate(Hanwha Techwin Root CA). Signed firmware       Web viewer     Supported OS     Windows 10. macOS 10.13       Supported Forwer     Google Chorne, Microsoft Edge, Mac Safari		Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
Storage     Supported HDD     Up to 6TB       HDD Slot     SATA 1ea(Max. 6TB)       Backup     File backup     BU/Exe(GUI), JPG/AVI(Network)       Function     Multi channel(Up to 4CH) Play, Date-Time/Title display       Autor     Function     Multi channel(Up to 4CH) Play, Date-Time/Title display       Protocol     IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, DNN: UPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)       DDNS     Hanwha DDNS       Transmission Bandwidth     Max. 64Mbps       Audio     GUI     4CH (network)/output (Set)       Web     G.711, G.726, AAC(16/48KHz)       Audio Communication     2-Way       Max Remote Users     Search(3), Live Unicast(10), Multicast(20)       Security     IP address filtering. User access Log. 802 1.%. Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware       Web viewer     Supported OS     Windows 10, macOS 10.13       Supported browser     Google Chrome, Microsoft Edge, Mac Safari		Resolution	CIF~8MP
HDD Slot   SATA 1ea(Max. 6TB)     Backup   File backup   BU/Exe(GUI), JPG/AVI(Network)     Function   Multi channel(Up to 4CH) Play, Date-Time/Title display     Network   Image: State St		Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
Backup     File backup     BU/Exe(GUI), JPG/AVI(Network)       Function     Multi channel(Up to 4CH) Play, Date-Time/Title display       Autwork     Image: Comparison of the state of	Storage	Supported HDD	Up to 6TB
Function   Multi channel(Up to 4CH) Play, Date-Time/Title display     Network   Instance   Instance     Protocol   IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, IGMP, ARP, DNS, DNS, UPNP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)   Mather and the server and the serve		HDD Slot	SATA 1ea(Max. 6TB)
Network   IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)     DDNS   Hanwha DDNS     Transmission Bandwidth   Max. 64Mbps     Audio   GUI   4CH (network)/output (Set)     Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Google Chrome, Microsoft Edge, Mac Safari	Backup	File backup	BU/Exe(GUI), JPG/AVI(Network)
Protocol   IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, UPn, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)     DDNS   Hanwha DDNS     Transmission Bandwidth   Max. 64Mbps     Audio   GUI   4CH (network)/output (Set)     Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Google Chrome, Microsoft Edge, Mac Safari		Function	Multi channel(Up to 4CH) Play, Date-Time/Title display
uPn P, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)     DDNS   Hanwha DDNS     Transmission Bandwidth   Max. 64Mbps     Audio   GUI   4CH (network)/output (Set)     Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Security   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Gogle Chrome, Microsoft Edge, Mac Safari	letwork		
Transmission Bandwidth   Max. 64Mbps     Audio   GUI   4CH (network)/output (Set)     Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Google Chrome, Microsoft Edge, Mac Safari	Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)
Audio   GUI   4CH (network)/output (Set)     Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS     Supported browser   Google Chrome, Microsoft Edge, Mac Safari	DDNS		Hanwha DDNS
Web   G.711, G.726, AAC(16/48KHz)     Audio Communication   2-Way     Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS     Supported browser   Google Chrome, Microsoft Edge, Mac Safari	Transmission Bandwid	th	Max. 64Mbps
Audio Communication 2-Way   Max Remote Users Search(3), Live Unicast(10), Multicast(20)   Security IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware   Web viewer Supported OS Windows 10, macOS 10.13   Supported browser Google Chrome, Microsoft Edge, Mac Safari	Audio	GUI	4CH (network)/output (Set)
Max Remote Users   Search(3), Live Unicast(10), Multicast(20)     Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS     Windows 10, macOS 10.13     Supported browser   Google Chrome, Microsoft Edge, Mac Safari		Web	G.711, G.726, AAC(16/48KHz)
Security   IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware     Web viewer   Supported OS   Windows 10, macOS 10.13     Supported browser   Google Chrome, Microsoft Edge, Mac Safari		Audio Communication	2-Way
Web viewer Supported OS Windows 10, macOS 10.13   Supported browser Google Chrome, Microsoft Edge, Mac Safari	Max Remote Users		Search(3), Live Unicast(10), Multicast(20)
Supported browser Google Chrome, Microsoft Edge, Mac Safari	Security		
	Web viewer	Supported OS	Windows 10, macOS 10.13
Viewer Software WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile		Supported browser	Google Chrome, Microsoft Edge, Mac Safari
	Viewer Software		

## WISENET XRN-420S



Functions		
Camera Setup	Register	Auto, Manual
	ltem	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer
	Preset	300 Presets
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
	Control	Live 4CH(Multi-Profile Support), Playback 4CH
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	Failover	N+1
	ARB	Support
Easy configuration		P2P(QR code)
nterface		
Front	Indicator	Power, Record, Network
Storage		ОК
Reset		Support
HDMI		1EA 3840x2160 30Hz
VGA		1EA 1920x1080 30Hz
Audio		Out 1EA
Ethernet		PoE+RJ-45(LAN, 10/100) 4 ea ,RJ-45 1ea (WAN, 1Gbps)
Alarm		In 4EA, Out 2EA
USB		2EA(Front 1 x USB 2.0, Rear 1 x USB 2.0)
Power inlet		DC Adaptor
System		
Log	Log List	Max. 100,000 (System Log, Event Log each)
System Control		Mouse, Web
Language		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese
Environmental		
Operating Temperatu	Jre	0°C to +40°C(32°F to 104°F)
Operating Humidity		20% ~ 85% RH
Electrical		
Power Input		100 ~ 240 VAC ±10%; 50/60 Hz
Power Consumption		Max 67W(1HDD, PoE On)
PoE Budget		50W
Mechanical		
Color / Material		Black / Metal
Dimension (WxHxD)		300.0 x 47.1 x 208.4 mm (11.81 x 1.85 x 8.20 inch)
Weight		1.06Кg (2.33lb)
Intelligent Analy	<i>y</i> sis	
Al Search	Object Attribute	Compatible for Wisenet AI Camera





**XRN-420S** 

4CH NVR

CAD

Unit: mm [inch]

