

# XRN-420S

4CH NVR



FC | UL LISTED | CE | ENEC

## 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

Display		
Network camera	Inputs	Max. 4CH
	Resolution	8MP ~ CIF
	Protocols	SUNAPI, ONVIF
Decoding	Local Display	HDMI, VGA
	Multi Screen Display	[Dual Monitor] 1/ 2V/ 2H/ 3V/ 4/ Sequence [Web] 1/ 2V/ 2H/ 3V/ 4
	Resolution	[Local Monitor] 8M(30fps), 1080p(120fps), 720P(120fps), D1(120fps)
Performance		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 50Mbps
	Resolution	8MP ~ 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
	Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 16CH(Local 4CH, Remote 4CH per user)
	Fisheye Dewarping	CMS
	Mode	Date & 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/AVI(Network)
	Function	Multi channel(Up to 4CH) Play, Date-Time/Title display
Network		
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)
DDNS		Hanwha DDNS
Transmission Bandwidth		Max. 64Mbps
Audio	Input/Output	4CH (network)/output (Set)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way

<b>Max Remote Users</b>	Search(3), Live Unicast(10), Multicast(20)	
<b>Security</b>	IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware	
<b>Web viewer</b>	<b>Supported OS</b>	Windows 10, macOS 10.13
	<b>Supported browser</b>	Google Chrome, Microsoft Edge, Mac Safari
<b>Viewer Software</b>	WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

**Functions**

<b>Camera Setup</b>	<b>Register</b>	Auto, Manual
	<b>Item</b>	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, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
<b>PTZ</b>	<b>Control</b>	Via GUI, Webviewer
	<b>Preset</b>	300 Presets
<b>Smart phone</b>	<b>Support Model</b>	iOS, Android
	<b>Protocol Support</b>	RTP, RTSP, HTTP, CGI(SUNAPI)
	<b>Control</b>	Live 4CH(Multi-Profile Support), Playback 4CH
	<b>Max. Remote Users</b>	Search(3), Live Unicast(10)
<b>Redundancy</b>	<b>Failover</b>	N+1
	<b>ARB</b>	Support
<b>Easy configuration</b>		P2P(QR code)

**Interface**

<b>Front</b>	<b>Indicator</b>	Power, Record, Network
<b>Storage</b>		OK
<b>Reset</b>		Support
<b>HDMI</b>		1EA 3840x2160 30Hz
<b>VGA</b>		1EA 1920x1080 30Hz
<b>Audio</b>		Out 1EA
<b>Ethernet</b>		PoE RJ-45(LAN, 10/100) 4 ea ,RJ-45 1ea (WAN, 1Gbps)
<b>Alarm</b>		In 4EA, Out 2EA
<b>USB</b>		2EA(Front 1 x USB 2.0, Rear 1 x USB 2.0)
<b>Power inlet</b>		DC Adaptor

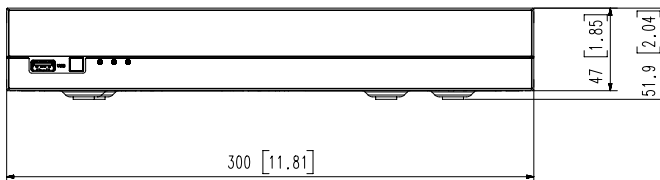
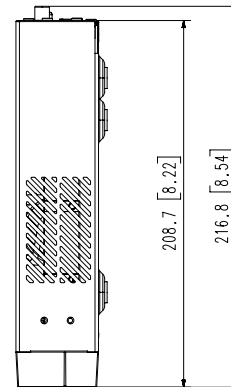
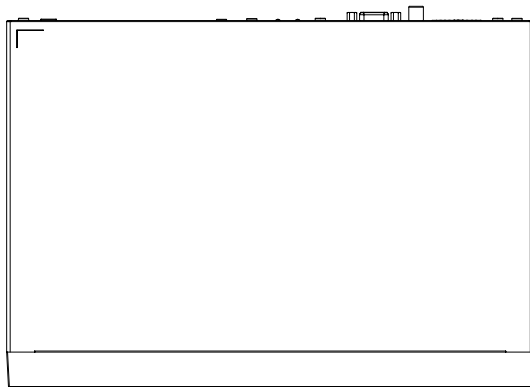
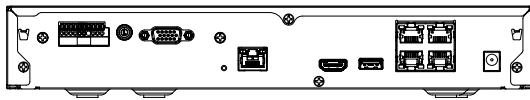
**System**

<b>Log</b>	<b>Log List</b>	Max. 100,000 (System Log, Event Log each)
<b>System Control</b>		Mouse, Web
<b>Language</b>		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 Temperature	0°C to +40°C(32°F to 104°F)	
Operating Humidity	20% ~ 85% RH	
<b>Electrical</b>		
Power Input	100 ~ 240 VAC ± 10%; 50/60 Hz	
Power Consumption	Max 67W(1HDD, PoE On)	
PoE Budget	50W	
<b>Mechanical</b>		
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	1.06Kg (2.33lb)	
<b>Intelligent Analysis</b>		
AI Search	Object Attribute	Compatible for Wisenet AI Camera

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



3		
2		
1	XRN-420S	'21.06.01
No.	MODEL NAME	DATE
Unit:mm[inch]		SCALE:1/2
Hanwha Techwin		

A2

© Hanwha Techwin Co.,Ltd. All rights reserved.