



# 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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## Specifications

### Display

Network camera	<b>Inputs</b>	Max. 4CH
	<b>Resolution</b>	8MP ~ CIF
	<b>Protocols</b>	SUNAPI, ONVIF
Decoding	<b>Local Display</b>	HDMI, VGA
	<b>Multi Screen Display</b>	[Dual Monitor] 1/ 2V/ 2H/ 3V/ 4/ Sequence [Web] 1/ 2V/ 2H/ 3V/ 4
	<b>Resolution</b>	[Local Monitor] 8M(30fps), 1080p(120fps), 720P(120fps), D1(120fps)

### Performance

Operating System	<b>Embedded</b>	Linux
Record	<b>Compression</b>	H.265, H.264, MJPEG
	<b>Recording Bandwidth</b>	Max. 50Mbps
	<b>Resolution</b>	8MP ~ CIF
	<b>Mode</b>	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	<b>Event Trigger</b>	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event
	<b>Event Action</b>	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Search & Play	<b>Playback Bandwidth</b>	Max. 32Mbps
	<b>User</b>	Max. 4 Users (Local 1, Remote 3)
	<b>Simultaneous playback</b>	Max. 16CH(Local 4CH, Remote 4CH per user)
	<b>Fisheye Dewarping</b>	CMS
	<b>Mode</b>	Date & Time(Calendar), Event list, Text Search, Smart Search
	<b>Resolution</b>	CIF ~ 8MP
	<b>Playback Control</b>	Fast/Slow Forward / Backward, Move one step Up / Down
Storage	<b>Supported HDD</b>	Up to 6TB
	<b>HDD Slot</b>	SATA 1ea(Max. 6TB)
Backup	<b>File backup</b>	BU/Exe(GUI), JPG/AVI(Network)
	<b>Function</b>	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	<b>Input/Output</b>	4CH (network)/output (Set)
	<b>Compression</b>	G.711, G.726, AAC(16/48KHz)
	<b>Audio Communication</b>	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	<b>Supported OS</b>	Windows 10, macOS 10.13
	<b>Supported browser</b>	Google Chrome, Microsoft Edge, Mac Safari
Viewer Software	WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

## Functions

Camera Setup	Register	Auto, Manual
	Item	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, SSSNR, Shutter, SSSDR, 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)

## Interface

Front	Indicator	Power, Record, Network
Storage		OK
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 Temperature	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	1.06Kg (2.33lb)

## Intelligent Analysis

AI Search	Object Attribute	Compatible for Wisenet AI Camera
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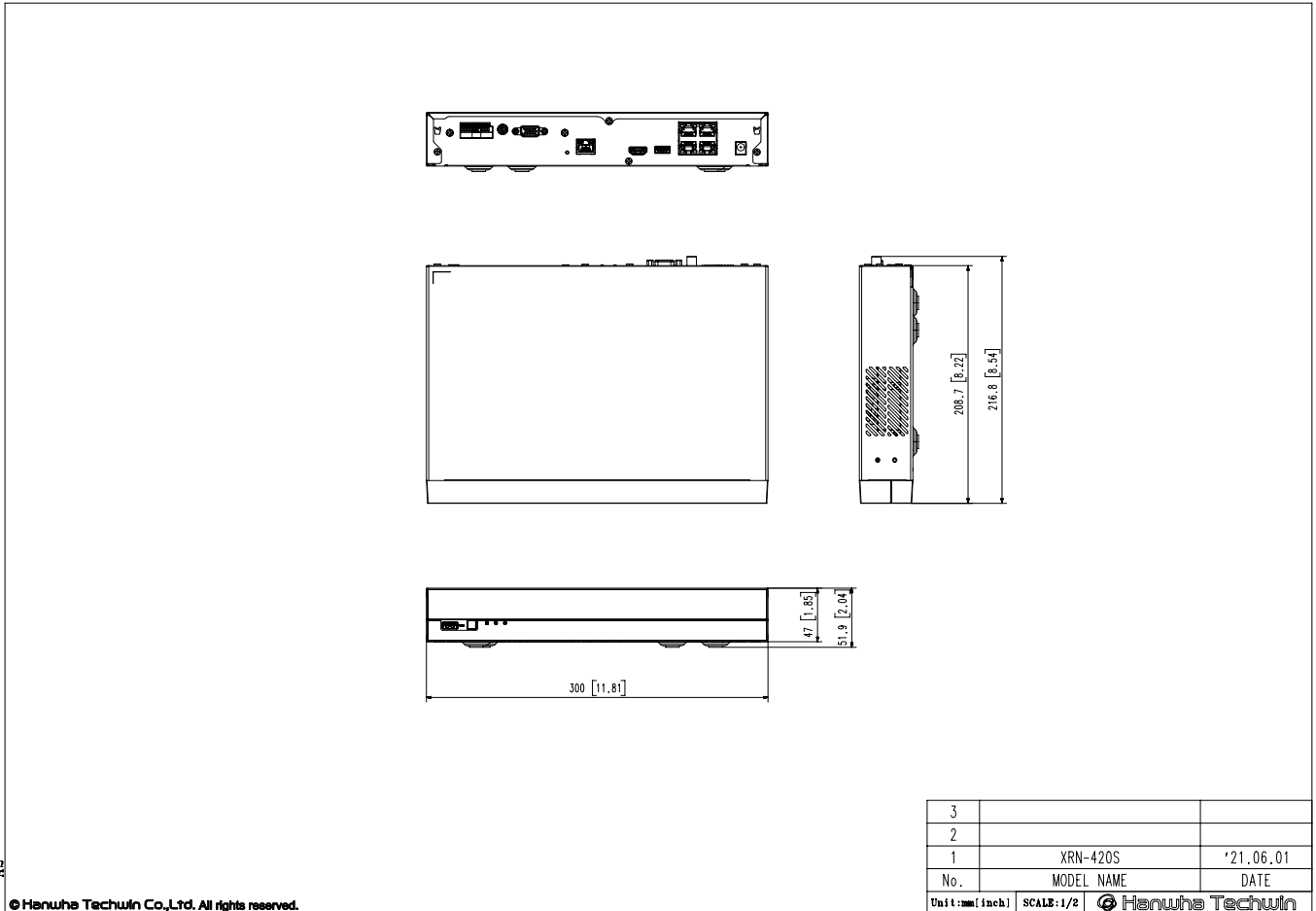
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CAD

Unit: mm [inch]



A2

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