



# **XRN-420S**

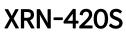
4CH NVR



### **Key Features**

- Up to 4CH, 8MP camera supported
- H.265, H.264, MJPEG codec
- Al Search: Object Attribute (When integrated with Wisenet Al 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







4CH NVR

## Specifications

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	
	Compression	H.265, H.264, MJPEG	
	Recording Bandwidth	Max. 50Mbps	
	Resolution	8MP ~ CIF	
Record	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	
	Playback Bandwidth	Max. 32Mbps	
	User	Max. 4 Users (Local 1, Remote 3)	
	Simultaneous playback	Max. 16CH(Local 4CH, Remote 4CH per user)	
Search & Play	Fisheye Dewarping	CMS	
Search & Flay	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search	
	Resolution	CIF~8MP	
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down	
C1	Supported HDD	Up to 6TB	
Storage	HDD Slot	SATA 1ea(Max. 6TB)	
De al la c	File backup	BU/Exe(GUI), JPG/AVI(Network)	
Backup	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	
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	
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	
	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	
ΓΙΖ	Preset	300 Presets	
	Support Model	iOS, Android	
Smart phone	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)	
Smart phone	Control	Live 4CH(Multi-Profile Support), Playback 4CH	
	Max. Remote Users	Search(3), Live Unicast(10)	
Redundancy	Failover	N+1	
headhadhey	ARB	Support	
Easy configuration	P2P(QR code)		
Interface			
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			
Environmental Operating Temperature	0°C to +40°C(32°F to 104°F)		

#### Electrical

### XRN-420S



Power Input	100 ~ 240 VAC $\pm$ 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			
Al Search	Object Attribute	Compatible for Wisenet AI Camera	