



QRN-820S

8CH 8MP NVR with PoE switch



Key Features

- Up to 8CH 8MP resolution
- H.265, H.264, MJPEG codec
- WiseStream support
- 80Mbps network camera recording
- Plug & play by 8 PoE port
- Max. 1 HDD(Up to 6TB)
- HDMI output
- P2P service(QR code)

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Specifications

Display

Network camera	Inputs	Max. 8CH
	Resolution	8MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	HDMI: 3840 x 2160, 1920x1080, 1280x720
	Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps)

Performance

Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 80Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps(8CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 8CH(Local Monitor, Network)
	Fisheye Dewarping	WEB / CMS / Mobile
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 1ea(Max. 6TB)
Backup	File backup	BU/Exe(GUI), JPG/AVI(Network)
	Function	Multi channel(Upto 8CH) Play, Date-Time/Title display

Network

Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)	
DDNS	Wisenet DDNS	
Audio	Input/Output	8CH(network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way
Max Remote Users	Search(3), Live Unicast(10), Multicast(20)	
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)	
Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3rd party VMS	

Functions

Camera Setup	Item	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup 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
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)

	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	ARB	Support
Easy configuration		P2P(QR code)

Interface

HDMI	1EA
Ethernet	RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 8
USB	2EA(Front 1, Rear 1)

System

System Control	Mouse, IR remocon, 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	54VDC / 1.67A
Power Consumption	Max. 76.2W(1HDD, PoE on) Max. 8.1W(1HDD, PoE off)
PoE Budget	Max. 65W

Mechanical

Color / Material	Black / Metal
Dimension (WxHxD)	W300.0 x H47.1 x D208.4 mm (11.8" x 1.85" x 8.2") (1U)
Weight	1.01Kg (2.23lb)

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CAD

Unit: mm [inch]

