

QRN-810S

8Ch Network Video Recorder with built-in PoE Switch

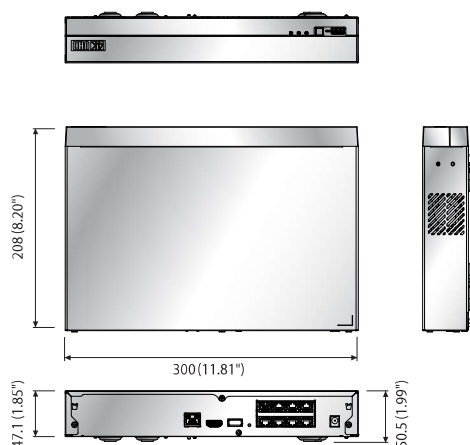


Key Features

- Up to 8ch 8megapixel supported
- H.265, H.264, MJPEG codec supported
- 80Mbps network camera recording
- Plug & play by 8 PoE ports
- Max. 1HDD supported
- HDMI local monitor
- P2P service (QR code connect) support

Dimensions

Unit : mm (inch)



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DISPLAY		
Network Camera	Inputs	Max. 8ch
	Resolution	CIF ~ 8MP
	Protocols	Wisenet, ONVIF (Profile-S)
Live	Local Display	1xHDMI
	Multi-Channel Display	[Local Monitor] 1 / 2H / 2V / 3V / 4 / 6 / 8 / Auto Sequence [Web] 1 / 4 / 8 / Auto Sequence
	Performance	[Local Monitor] 8MP (60fps) 5MP (90fps), 3MP (120fps), 2MP (240fps), 720p (240fps), D1 (240fps)
PERFORMANCE		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 80Mbps
Record	Resolution	CIF ~ 8MP
	Type	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Video Loss, Camera event (Sensor, MD, Video analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Buzzer, Monitor Out
	Playback Bandwidth	32Mbps (8ch simultaneously)
	Performance	Max. 3 Users (Local 1, Remote 3)
Search & Play	Mode	Date & Time (Calendar), Event Log list, Text Search (POS), ARB Search, Smart Search (Virtual Line w / direction, Enter / Exit)
	Simultaneous playback	Max. 8ch (Local, Network)
	Resolution	CIF ~ 8MP
	Fish-Eye Dewarping	N/A (processed on Web / CMS)
	Playback Control	Fast / Slow Forward / Backward, Move one step Up / Down
Storage	Default Built-In	0 ~ 6TB
	Internal	1 (Max. 6TB)
	File backup	BU / Exe (USB), JPG / AM (Web, CMS)
Backup	Function	Multi channel (Up to 8ch) Play, Date-Time / Title display
	I/O	N/A
	Input	8ch (network)
Audio	Compression	G.711, G.726, AAC (16 / 48KHz)
	Audio Communication	2-Way
NETWORK		
Protocol	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	Hanwha Security DDNS
	Transmission Bandwidth	80Mbps
Max Remote Users	Search (3), Live Unicast (10), Multicast (20)	
	IP Version	IPv4 / IPv6
	Security	User access Log, IP Filtering, 802.1x, Encryption
Language	GUI	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai
	Web	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai
	OS	Windows 7, 8, 10, Mac OS X 10.9, 10.10, 10.11
Web Browser	Plug-in free web viewer	Google Chrome 47, MS Edge 20
	Plug-in Webviewer	MS Explorer 11, Apple Safari 9 (Mac OS X only)
	Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet Mobile
CMS Support	Support SDK / CGI (SUNAPI)	
FUNCTIONS		
Camera Setup	Register	PnP, Manual
	Setup Items	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDR, D&N, SSNR, Shutter, SDR, DLS), Fisheye Dewarping setup, Halfway View Setup, Camera Webpage
	Camera Control	PoE
Easy Configuration	Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera	
	Setup Wizard (Date / Time, Network, Auto Camera Configuration)	
	P2P (QR code)	
ARB	Control	Yes
	PTZ	Via GUI, Webviewer, 255 preset
	Support Model	iPhone, Android
Smart phone	Protocol Support	RTSP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (8ch) : Multi-Profile Support, Playback (4ch), Event push
	Max. Remote Users	Search (3), Live Unicast (10), Multicast (20)
System Control	Mouse, Web, IR Remote control	
INDICATOR / INTERFACE		
Front	Indicator	LED (Status Indicator) : 3ea Power Status 1, LAN 1, Record 1
	VGA	N/A
	HDMI	1 EA (3840 x 2160, 1920 x 1080, 1280 x 720)
Connectors	Audio	N/A
	Ethernet	8EA (PoE, 100Mbps) 1EA (WAN, 1Gbps) - WAN : Uplink to CMS
	Alarm	N/A
USB	Front 1EA (USB2.0), Rear 1 (USB3.0)	
	Ext. Storage	N/A
	Serial	N/A
Reset	Switch (1EA)	
	Power Cord	Included
SYSTEM		
Log	Log List	Max. 20000 (System Log, Event Log each)
ENVIRONMENTAL		
Operating Temperature / Humidity	Humidity	+0°C to +40°C (+32°F to +104°F) 20% ~ 85% RH
ELECTRICAL		
Power Input	Power Consumption	54VDC / 1.67A Max. 76.2W (1HDD, PoE on), Max. 8.1W (1HDD, PoE off)
	PoE Budget	Max. 50W
MECHANICAL		
Color / Material	Dimension (WxHxD)	Black / Metal W300.0 x H47.1 x D208.4 mm (1U) (11.81" x 1.85" x 8.20")
	Weight	1.01Kg (2.22lb) (without HDD)

* The latest product information / specification can be found at 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.