

# QRN-410S

4Ch Network Video Recorder with built-in PoE Switch

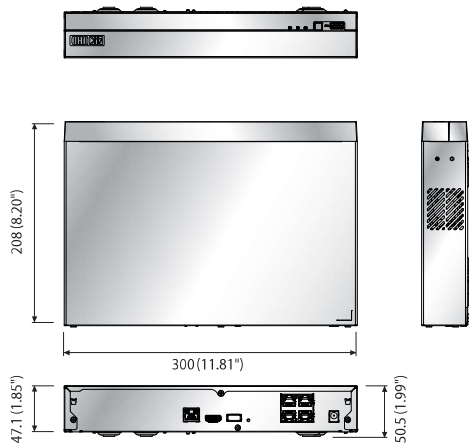


## Key Features

- Up to 4ch 8megapixel supported
- H.265, H.264, MJPEG codec supported
- 40Mbps network camera recording
- Plug & play by 4 PoE ports
- Max. 1HDD supported
- HDMI local monitor
- P2P service (QR code connect) support

## Dimensions

Unit: mm (inch)



## QRN-410S

<b>DISPLAY</b>		
Network Camera	Inputs	Max. 4ch
	Resolution	CF ~ 8MP
	Protocols	Wisenet, ONVIF (Profile-S)
Live	Local Display	1xHDMI
	Multi-Channel Display	[Local Monitor] 1 / 2H / 2V / 3V / 4 / Auto Sequence [Web] 1 / 4 / Auto Sequence
	Performance	[Local Monitor] 8MP (60fps) 5MP (90fps), 3MP (120fps), 2MP (120fps), 720p (120fps), D1 (120fps)
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 40Mbps
Record	Resolution	CF ~ 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
Search & Play	Playback Bandwidth	32Mbps (4ch simultaneously)
	Performance	Max. 3 Users (Local 1, Remote 3)
	Mode	Date & Time (Calendar) / Event Log list / Text Search (POS) / ARB Search / Smart Search (Virtual Line w / direction, Enter / Exit)
	Simultaneous playback	Max. 4ch (Local, Network)
Storage	Resolution	CF ~ 8MP
	Fish-Eye Dewarping	N/A (processed on Web / CMS)
	Playback Control	Fast / Slow Forward / Backward, Move one step Up / Down
Backup	Default Built-In	0 ~ 6TB
	Internal	1 (Max.6TB)
Sensor	File backup	BU / Exe (USB), JPG / AM (Web, CMS)
	Function	Multi channel (Up to 4ch) Play, Date-Time / Title display
Audio	I/O	N/A
	Input	4 ch (network)
	Compression	G.711, G.726, AAC (16 / 48KHz)
	Audio Communication	2-Way
<b>NETWORK</b>		
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		50Mbps
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	Type	SSM, Webviewer, Smart Viewer, Wisenet Mobile
	CMS Support	Support SDK / CGI (SUNAPI)
<b>FUNCTIONS</b>		
Camera Setup	Register	PhP, 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, SSDR, DfS), Fisheye Dewarping setup, Hallway View Setup, Camera Webpage
Camera Control	PoE	Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera
Easy Configuration		Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)
ARB		Yes
PTZ	Control	Via GUI, Webviewer, 255 preset
Smart phone	Support Model	iPhone, Android
	Protocol Support	RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (4ch) : Multi-Profile Support, Playback (4ch), Event push
	Max. Remote Users	Search (3), Live Unicast (10), Multicast (20)
System Control		Mouse, Web
<b>INDICATOR / INTERFACE</b>		
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	4EA (PoE, 100Mbps) 1EA (WAN, 100Mbps) - WAN: Up link 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	
<b>SYSTEM</b>		
Log	Log List	Max. 20000 (System Log, Event Log each)
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity		+0°C to +40°C (+32°F to +104°F)
Humidity		20% ~ 85% RH
<b>ELECTRICAL</b>		
Power Input		54VDC / 1.2A
Power Consumption		Max. 4.7W (1HDD, PoE on), Max. 7.4W (1HDD, PoE off)
PoE Budget		Max. 25W
<b>MECHANICAL</b>		
Color / Material		Black / Metal
Dimension (WxHxD)		W300.0 x H47.1 x D208.4 mm (1U) (11.81" x 1.85" x 8.20")
Weight		0.99Kg (2.18lb) (without HDD)

\* 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.