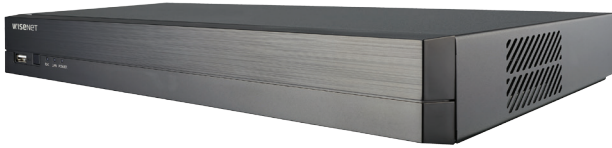# WISENET Q series

QRN-410S
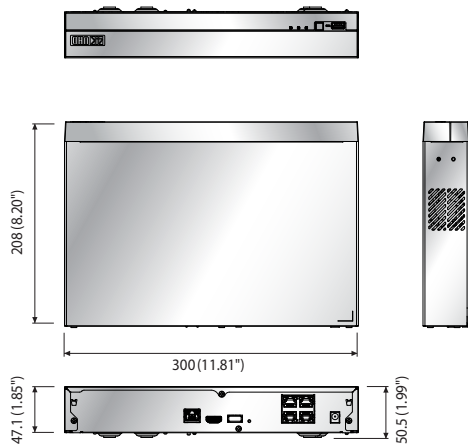
4Ch Network Video Recorder with built-in PoE Switch

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
DISPLAY		
Network Camera	Inputs	Max. 4ch
	Resolution	CIF ~ 8MP
	Protocols	Wisenet, ONVIF (Profile-S)
Live	Local Display	1x HDMI
	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)
PERFORMANCE		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 40Mbps
	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
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)
	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)
Backup	File backup	BU / Exe (USB), JPG / AVI (Web, CMS)
	Function	Multi channel (Upto 4ch) Play, Date-Time / Title display
Sensor	I/O	N/A
Audio	Input	4 ch (network)
	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		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)
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, SSDR, DIS), 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
INDICATOR / INTERFACE		
Front	Indicator	LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1
Connectors	VGA	N/A
	HDMI	1 EA (3840 x 2160, 1920x1080, 1280x720)
	Audio	N/A
	Ethernet	4EA (PoE, 100Mbps) 1EA (WAN, 100Mbps) - 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		+0°C to +40°C (+32°F to +104°F)
Humidity		20% ~ 85% RH
ELECTRICAL		
Power Input		54V DC / 1.2A
Power Consumption		Max. 47W (1HDD, PoE on), Max. 7.4W (1HDD, PoE off)
PoE Budget		Max. 30W
MECHANICAL		
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 (2.18 lb) (without HDD)

* The lastest 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.

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