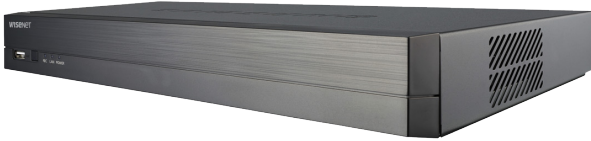


QRN-410

4CH Network Video Recorder

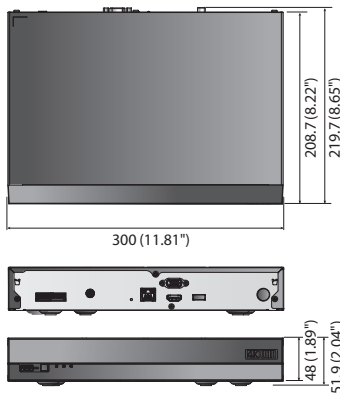


Key Features

- Up to 4CH, 8megapixel camera supported
- H.265, H.264, MJPEG codec support
- 50Mbps network camera recording
- Max. 1HDD, e-SATA supported
- HDMI / VGA local monitor
- ARB supported
- P2P service(QR code connect) support

Dimensions

Unit : mm (inch)



QRN-410		
DISPLAY		
Video	Inputs	Up to 4CH
	Resolution	CIF ~ 8MP
	Protocols	Samsung, ONVIF
Live	Local Display	HDMI / VGA
	Multi Screen Display	[Local monitor] 1 / 2V / 3V / 4 / Auto sequence [Web] 1 / 4 / 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	50Mbps
Recording	Resolution	CIF ~ 8MP
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input (4), Video loss, Camera event (Sensor, MD, Video analytics, Defocus)
Search & Playback	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	32Mbps (4CH simultaneously)
	Performance	Max. 3 users (Local 1, Remote 3)
Storage	Mode	Date & Time (Calendar) / Event log list / Text search (POS, ANPR), ARB search, Smart search (Virtual Line w/ direction, Enter / Exit)
	Simultaneous Playback	Up to 4CH (Local, Network)
	Resolution	CIF ~ 8MP
Backup	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Default Built-In	0TB ~ 6TB (Dependent on region)
	Internal	1 (Max.6TB)
Sensor	Max. Capacity	6TB
	File Backup	BU/EXE (USB), JPG/AVI (Web, CMS)
	Function	Multi channel (Up to 8CH) play, Date-time/title display
Audio	Input / Output	4 / 2 (NO 1ea, NO/NC 1ea)
	Input	4CH (Network)
	Compression	G.711, G.726, AAC (16/48KHz)
NETWORK	Audio Communication	2-way
	Protocol Support	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
Language	Transmission Bandwidth	64Mbps
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	IP	IPv4 / IPv6
OS	Security	IP address filtering, User access log, 802.1x authentication, Encryption
	Language	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
	Supported OS	Windows 7, 8, 10, Mac OS X 10.8, 10.9, 10.10, 10.11
Web Browser	Non-plugin Webviewer	Supported Browser : Google Chrome 47, MS Edge 20
	Plug-in Webviewer	Supported MS Explore 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only
	Viewer Software	SSM, Webviewer, SmartViewer, Wisenet mobile
FUNCTIONS	CMS Support	SDK / CGI (SUNAPI)
	Register	Auto mode, Manual mode
	Camera Setup	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, DIS), Fisheye dewarping (Web), Hallway view setup, Camera webpage
Easy Configuration	Setup wizard	(Date/Time, Network, Auto camera configuration), P2P (QR code)
	Redundancy	ARB
	PTZ	Control / Preset
Smart Phone	OS	Via GUI, Webviewer, 255 presets
	Protocol Support	Android, iOS
	Control	RTP, RTSP, HTTP, CGI (SUNAPI)
System Control	Live (4CH) : Multi-profile support, Playback (1CH), Event push	
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Mouse, IR Remocon, Web	
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, LAN LED 1ea, Record status LED 1ea
	VGA	1ea
	HDMI	1ea - Support up to 4K (3840 x 2160)
Connections	Audio	Out 1ea (RCA, Line)
	Ethernet	1ea (WAN, 1Gbps) - WAN : Uplink to CMS
	Alarm	In 4ea (Terminal block) / Out 2ea (Terminal block)
SYSTEM	USB	2ea (Front 1, Rear 1)
	Reset	Switch (1ea)
	Power Cord	Included
GENERAL		
Log	Log List	Max. 20,000 (System log, Event log each)
	Input Voltage / Current	12V DC / 4A
	Power Consumption	MAX. 9W (31 BTU), 2TB HDD x 1ea)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
	Color / Material	Black / Metal
Mechanical	Dimensions (WxHxD)	300.0 x 48.0 x 208.7mm (17.32" x 1.89" x 8.22") (1U)
	Weight	1.66Kg (3.66 lb) (2TB HDD)

* The latest product information / specification can be found at hanwha-security.com
* Design and specifications are subject to change without notice.