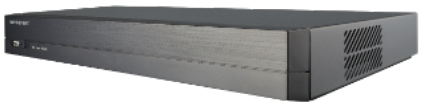
QRN-810S

8CH 8M H.265 NVR with 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

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Display		
Network camera	Inputs	Max. 8CH
	Resolution	8MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	HDMI: 3840 x 2160, 1920x1080, 1280x720
	Multi Screen Display	[Local Monitor] 1 / 2V / 3V / 4 / 9 / 16 Sequence [Web] 1 / 4 / 9 / 16 / 4 / Sequence
	Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps)
Performance		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 80Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post)
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Alarm Out, 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
	Mode	Date & Time(Calendar), Event Log list, Text Search, Smart Search
	Resolution	8MP ~ CIF
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
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
Transmission Bandwidth		Max. 80Mbps
Audio	Input/Output	8 CH(network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way
Max Remote Users		Search(3), Live Unicast(10), Multicast(20)
Security		IP address filtering, User access Log, 802.1x, Encryption

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Web viewer	Supported OS	Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11
	Supported browser	Plug-in free web viewer - Supported Browser: Google Chrome 47, MS Edge 20 Plug-in Webviewer - Supported MS Explore 11, Apple Safari 9 * Mac OS X only
Viewer Software		SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS
Functions		
Camera Setup	Register	Auto, Manual
	Item	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 Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer, SPC-2000
	Preset	300 Presets
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, 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		
Log	Log List	Max. 20,000 (System Log, Event Log each)
System Control		Mouse, IR remocon, Web, Controller
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
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. 50W
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)

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Weight	1.01Kg (2.23lb)

- 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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A0
CHANGE

QRN-810S
UNIT : mm[inch]

NO	PART NAME	QTY	REMARK
1	FINAL_LAST_QRN-810		

CODE NO.	MATERIAL
FINAL_LAST_QRN-810	MATERIAL

FINAL_LAST_QRN-810			
MODEL NAME	QRN-810S		
PART NAME			
CODE NO.			

	APPROVAL	CHECK	DESIGN
	Approval	Check	Design
	11.09.01	11.09.01	11.09.01

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	SCALE	UNIT
	1/1	mm

SIZE	A4	A3	A2	A1	A0	1A1	2A1	1A0	2A0
5+0	5	5	5	5	5	5	5	5	5
10+0	10	10	10	10	10	10	10	10	10
15+0	15	15	15	15	15	15	15	15	15
20+0	20	20	20	20	20	20	20	20	20
25+0	25	25	25	25	25	25	25	25	25
30+0	30	30	30	30	30	30	30	30	30
35+0	35	35	35	35	35	35	35	35	35
40+0	40	40	40	40	40	40	40	40	40
45+0	45	45	45	45	45	45	45	45	45
50+0	50	50	50	50	50	50	50	50	50
60+0	60	60	60	60	60	60	60	60	60
70+0	70	70	70	70	70	70	70	70	70
80+0	80	80	80	80	80	80	80	80	80
90+0	90	90	90	90	90	90	90	90	90
100+0	100	100	100	100	100	100	100	100	100

STANDARD TOLERANCE

THIS parts should not contain any substances which are specified in ANNEX-XVII

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