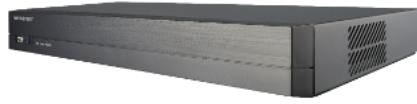


# QRN-820S

8CH 8MP NVR with PoE switch



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## Key Features

- Up to 8CH 8MP resolution
- H.265, H.264, MJPEG codec
- WiseStream support
- 80Mbps network camera recording
- Plug & play by 8 PoE port
- Max. 1 HDD(Up to 6TB)
- HDMI, VGA output
- P2P service(QR code)

**Display**

Network camera	Inputs	Max. 8CH
	Resolution	8MP ~ CIF
	Protocols	Wisenet, ONVIF

Decoding	Local Display	HDMI: 3840 x 2160, 1920x1080, 1280x720
	Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps)

**Performance**

Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 80Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, 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 / Mobile

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)
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DDNS	Wisenet DDNS
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Audio	Input/Output	8CH(network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way

Max Remote Users	Search(3), Live Unicast(10), Multicast(20)
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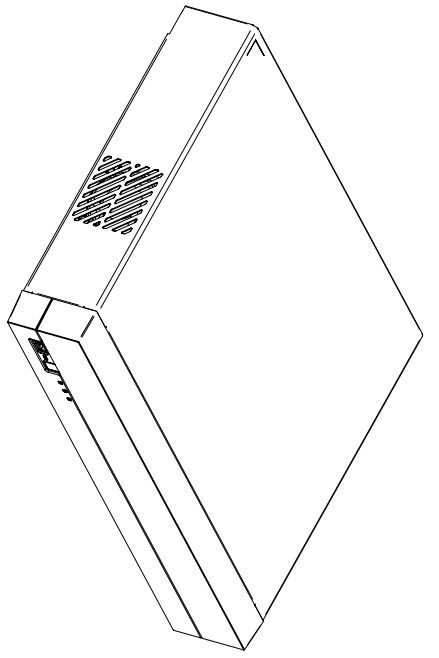
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)
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Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS
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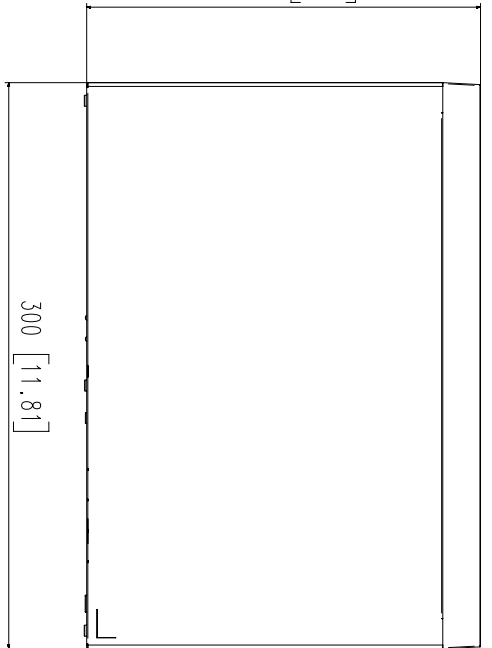
**Functions**

Camera Setup	Item	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	ARB	Support
Easy configuration		P2P(QR code)
<b>Interface</b>		
HDMI		1EA
Ethernet		RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 8
USB		2EA(Front 1, Rear 1)
<b>System</b>		
System Control		Mouse, IR remocon, Web
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, Vietnamese
<b>Environmental</b>		
Operating Temperature		0°C to +40°C(32°F to 104°F)
Operating Humidity		20% ~ 85% RH
<b>Electrical</b>		
Power Input		54VDC / 1.67A
Power Consumption		Max. 76.2W(1HDD, PoE on) Max. 8.1W(1HDD, PoE off)
PoE Budget		Max. 65W
<b>Mechanical</b>		
Color / Material		Black / Metal
Dimension (WxHxD)		W300.0 x H47.1 x D208.4 mm (11.8" x 1.85" x 8.2") (1U)
Weight		1.01Kg (2.23lb)

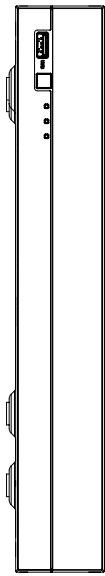
- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



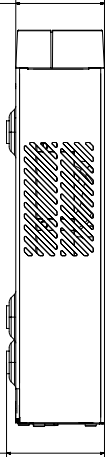
208.7 [8.22]



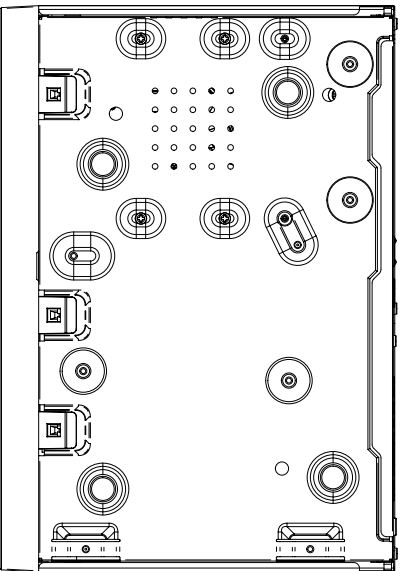
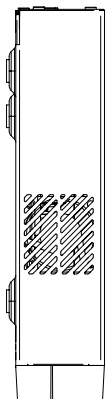
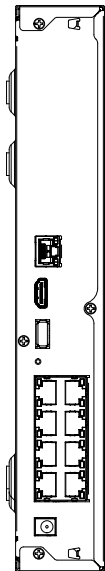
300 [11.81]



47 [1.85]



51.9 [2.04]



3	파생 MODEL 2	QRN-8205
2	파생 MODEL 1	LRN-8108
1	BASIC MODEL	'19.11.12
No.	MODEL NAME	QRN-811

Unit:mm[inch]

SCALE:1/1

Hanwha Techwin

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