

# QRN-810S

8Ch Network Video Recorder with built-in PoE Switch

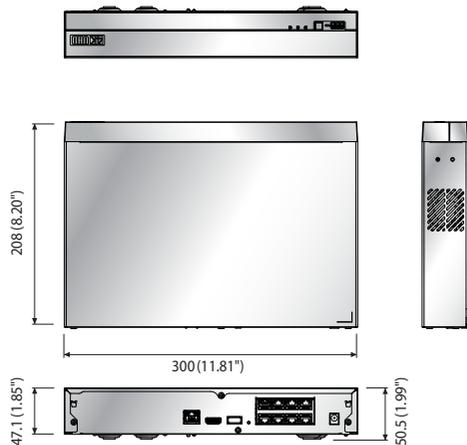


## Key Features

- 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

## Dimensions

Unit : mm (inch)



## QRN-810S

|                                  |                       |   |
|----------------------------------|-----------------------|---|
| <b>DISPLAY</b>                   |                       |   |
| Network Camera                   | Inputs                | Max. 8ch  |
|                                  | Resolution            | CIF ~ 8MP   |
|                                  | Protocols             | Wisenet, ONVIF (Profile-S)  |
| Live                             | Local Display         | 1x HDMI   |
|                                  | Multi-Channel Display | [Local Monitor] 1 / 2H / 2V / 3V / 4 / 6 / 8 / Auto Sequence<br>[Web] 1 / 4 / 8 / Auto Sequence   |
|                                  | Performance           | [Local Monitor] 8MP (60fps)<br>5MP (90fps), 3MP (120fps), 2MP (240fps), 720p (240fps), D1 (240fps)  |
| <b>PERFORMANCE</b>               |                       |   |
| Operating System                 | Embedded              | Linux   |
|                                  | Compression           | H.265, H.264, MJPEG   |
|                                  | Recording Bandwidth   | Max. 80Mbps   |
| Record                           | 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   |
|                                  | Playback Bandwidth    | 32Mbps (8ch simultaneously)   |
| Search & Play                    | 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. 8ch (Local, Network)   |
|                                  | Resolution            | CIF ~ 8MP   |
|                                  | Fish-Eye Dewarping    | N/A (processed on Web / CMS)  |
| Storage                          | Playback Control      | Fast / Slow Forward / Backward, Move one step Up / Down   |
|                                  | Default Built-In      | 0 ~ 6TB   |
|                                  | Internal              | 1 (Max.6TB)   |
| Backup                           | File backup           | BU / Exe (USB), JPG / AVI (Web, CMS)  |
|                                  | Function              | Multi channel (Up to 8ch) Play, Date-Time / Title display   |
| Sensor                           | I/O                   | N/A   |
|                                  | Input                 | 8ch (network)   |
| Audio                            | 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           |                       | 80Mbps  |
| 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<br>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              | 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, SDDR, 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)<br>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 (8ch) : Multi-Profile Support, Playback (4ch), Event push  |
| Max. Remote Users                |                       | Search (3), Live Unicast (10), Multicast (20)   |
| System Control                   |                       | Mouse, Web, IR Remote control   |
| <b>INDICATOR / INTERFACE</b>     |                       |   |
| Front                            | Indicator             | LED (Status indicator) : 3ea<br>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              | 8EA (PoE, 100Mbps)<br>1EA (WAN, 1Gbps) - 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  |
| <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 / 1.67A   |
| Power Consumption                |                       | Max. 76.2W (1HDD, PoE on), Max. 8.1W (1HDD, PoE off)  |
| PoE Budget                       |                       | Max. 50W  |
| <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                           |                       | 1.01Kg (2.22 lb) (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.