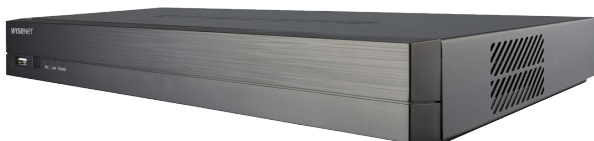


# XRN-410S

4CH Network Video Recorder with PoE Switch

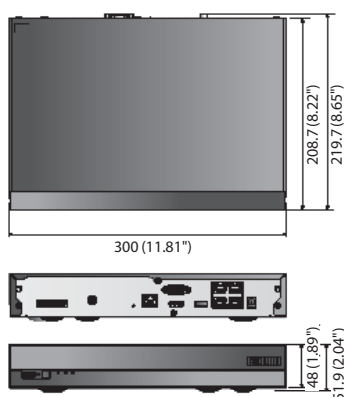


## Key Features

- Up to 4CH, 8megapixel camera supported
- H.265, H.264, MJPEG codec support, WiseStream support
- 50Mbps network camera recording
- Plug & play by 4 PoE/PoE+ ports
- Max. 1HDD supported
- HDMI / VGA local monitor
- ARB supported
- P2P service(QR code connect) support

## Dimensions

Unit : mm (inch)



## XRN-410S

| 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<br>[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, WiseStream (H.265, H.264)                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                | 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 4CH) 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                                                                                                                                                                                                           |                               |                                                                                                                                                                                                                                                                  |
| Transmission Bandwidth                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                  |
| 64Mbps                                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                  |
| Max. Remote Users                                                                                                                                                                                                              |                               |                                                                                                                                                                                                                                                                  |
| Search 3 / Live unicast 10 / Live multicast 20                                                                                                                                                                                 |                               |                                                                                                                                                                                                                                                                  |
| IP                                                                                                                                                                                                                             |                               |                                                                                                                                                                                                                                                                  |
| IPv4 / IPv6                                                                                                                                                                                                                    |                               |                                                                                                                                                                                                                                                                  |
| Security                                                                                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| IP address filtering, User access log, 802.1x authentication, Encryption                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| 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 |                               |                                                                                                                                                                                                                                                                  |
| Language                                                                                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| GUI / Web                                                                                                                                                                                                                      |                               |                                                                                                                                                                                                                                                                  |
| OS                                                                                                                                                                                                                             |                               |                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                  |
| Type                                                                                                                                                                                                                           |                               |                                                                                                                                                                                                                                                                  |
| SSM, Webviewer, SmartViewer, Wisenet mobile                                                                                                                                                                                    |                               |                                                                                                                                                                                                                                                                  |
| Software                                                                                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| CMS Support                                                                                                                                                                                                                    |                               |                                                                                                                                                                                                                                                                  |
| SDK / CGI (SUNAPI)                                                                                                                                                                                                             |                               |                                                                                                                                                                                                                                                                  |
| FUNCTIONS                                                                                                                                                                                                                      |                               |                                                                                                                                                                                                                                                                  |
| Camera Setup                                                                                                                                                                                                                   | Register                      | PnP mode, Manual mode                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                | 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, SDR, DIS), Fisheye dewarping (Web), Hallway view setup, Camera webpage |
|                                                                                                                                                                                                                                | 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)                                                                                                                                                    |                               |                                                                                                                                                                                                                                                                  |
| Redundancy                                                                                                                                                                                                                     | ARB                           | Yes                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                | Control / Preset              | Via GUI, Webviewer, 255 presets                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                | OS                            | Android, iOS                                                                                                                                                                                                                                                     |
| Smart Phone                                                                                                                                                                                                                    | Protocol Support              | RTP, RTSP, HTTP, CGI (SUNAPI)                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                | Control                       | Live (4CH) : Multi-profile support, Playback (1CH), Event push                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                | Max. Remote Users             | Search 3 / Live unicast 10 / Live multicast 20                                                                                                                                                                                                                   |
| System Control                                                                                                                                                                                                                 |                               |                                                                                                                                                                                                                                                                  |
| Mouse, IR Remocon, Web                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                  |
| INDICATOR / INTERFACE                                                                                                                                                                                                          |                               |                                                                                                                                                                                                                                                                  |
| Front                                                                                                                                                                                                                          | Indicator                     | LED (Status indicator) : 3ea                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                | VGA                           | Power status 1, LAN 1, Record 1                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                | HDMI                          | 1ea                                                                                                                                                                                                                                                              |
| Connections                                                                                                                                                                                                                    | Audio                         | 1ea - Support up to 4K (3840 x 2160)                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                | Ethernet                      | Out 1ea (RCA, Line)                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                | Alarm                         | 4ea (PoE/PoE+, 100Mbps), 1ea (WAN, 1Gbps) - WAN : Uplink to CMS                                                                                                                                                                                                  |
| USB                                                                                                                                                                                                                            | Reset                         | In 4ea (Terminal block) / Out 2ea (Terminal block)                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                | Power Cord                    | 2ea (Front 1, Rear 1)                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                | Included                      | Switch (1ea)                                                                                                                                                                                                                                                     |
| SYSTEM                                                                                                                                                                                                                         |                               |                                                                                                                                                                                                                                                                  |
| Log                                                                                                                                                                                                                            |                               |                                                                                                                                                                                                                                                                  |
| Log List                                                                                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| Max. 20,000 (System log, Event log each)                                                                                                                                                                                       |                               |                                                                                                                                                                                                                                                                  |
| GENERAL                                                                                                                                                                                                                        |                               |                                                                                                                                                                                                                                                                  |
| Electrical                                                                                                                                                                                                                     | Input Voltage / Current       | 54VDC / 1.67A                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                | Power Consumption/ PoE Budget | MAX. 13W(109BTU), 2TB HDD x 1ea) / Max. 50W                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                | Operating Temperature         | +0°C ~ +40°C (+32°F ~ +104°F)                                                                                                                                                                                                                                    |
| Environmental                                                                                                                                                                                                                  | Operating Humidity            | 20% ~ 85% RH                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                | Color / Material              | Black / Metal                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                | Dimensions (WxHxD)            | 300.0 x 48.0 x 208.7mm (17.32" x 1.89" x 8.22") (1U)                                                                                                                                                                                                             |
| Mechanical                                                                                                                                                                                                                     | Weight                        | 1.69Kg (3.73 lb) (2TB 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.