



# XRN-815S

8CH NVR



## Key Features

- Up to 8CH, 12MP camera supported
- H.265, H.264, MJPEG codec
- AI Search: Object Attribute (When integrated with Wisenet AI Camera)
- 100Mbps network camera recording
- Plug & play by 8 PoE(LAN, 10/100), 1PoE(WAN, 1Gbps)
- SATA 2ea(up to 20TB)
- ARB supported
- P2P service (QR code connect) supported

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## Specifications

### Display

|                |                             |  |
|----------------|-----------------------------|--|
| Network camera | <b>Inputs</b>               | Max. 8CH   |
|                | <b>Resolution</b>           | 12MP ~ CIF   |
|                | <b>Protocols</b>            | SUNAPI, ONVIF  |
| Decoding       | <b>Local Display</b>        | HDMI1: 3840x2160(30Hz), HDMI2: 1920x1080(60Hz)   |
|                | <b>Multi Screen Display</b> | Clone Mode : Dynamic layout<br>Expand Mode : HDMI1 Dynamic layout. HDMI2 up to 9 Div.<br>[Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
|                | <b>Resolution</b>           | [Local Monitor]<br>12M(30fps), 8M(600fps), 1080p(240fps), 720P(240fps), D1(480fps)                                       |

### Performance

|                  |                              |   |
|------------------|------------------------------|---|
| Operating System | <b>Embedded</b>              | Linux   |
| Record           | <b>Compression</b>           | H.265, H.264, MJPEG   |
|                  | <b>Recording Bandwidth</b>   | Max. 100Mbps  |
|                  | <b>Resolution</b>            | 8MP ~ CIF   |
|                  | <b>Mode</b>                  | Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark                                   |
|                  | <b>Event Trigger</b>         | Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event |
|                  | <b>Event Action</b>          | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown                 |
| Search & Play    | <b>Playback Bandwidth</b>    | Max. 32Mbps   |
|                  | <b>User</b>                  | Max. 4 Users (Local 1, Remote 3)  |
|                  | <b>Simultaneous playback</b> | Max. 32CH(Local 8CH, Remote 8CH per user)   |
|                  | <b>Fisheye Dewarping</b>     | CMS   |
|                  | <b>Mode</b>                  | Date & Time(Calendar), Event list, Text Search, Smart Search  |
|                  | <b>Resolution</b>            | CIF ~ 12MP  |
|                  | <b>Playback Control</b>      | Fast/Slow Forward / Backward, Move one step Up / Down   |
| Storage          | <b>Supported HDD</b>         | Up to 10TB  |
|                  | <b>HDD Slot</b>              | SATA 2ea(Max. 20TB)   |
| Backup           | <b>File backup</b>           | BU/Exe/AVI(GUI), JPG/AVI(Network)   |
|                  | <b>Function</b>              | Multi channel(Up to 8CH) Play, Date-Time/Title display  |

### Network

|                               |  |   |
|-------------------------------|--|---|
| <b>Protocol</b>               | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client) |   |
| <b>DDNS</b>                   | Hanwha DDNS  |   |
| <b>Transmission Bandwidth</b> | Max. 80Mbps  |   |
| <b>Audio</b>                  | <b>Input/Output</b>  | 8CH (network)/output (Set)                |
|                               | <b>Compression</b>   | G.711, G.726, AAC(16/48KHz)               |
|                               | <b>Audio Communication</b>   | 2-Way                                     |
| <b>Max Remote Users</b>       | Search(3), Live Unicast(10), Multicast(20)   |   |
| <b>Security</b>               | IP address filtering, User access Log, 802.1x, Encryption<br>Device certificate(Hanwha Techwin Root CA), Signed firmware   |   |
| <b>Web viewer</b>             | <b>Supported OS</b>  | Windows 10, macOS 11                      |
|                               | <b>Supported browser</b>   | Google Chrome, Microsoft Edge, Mac Safari |

|                        |  |
|------------------------|--|
| <b>Viewer Software</b> | WAVE, SSM, Webviewer, Smart Viewer, Wisenet Viewer, Wisenet mobile, Support CGI(SUNAPI) for integration to 3 <sup>rd</sup> party VMS |
|------------------------|--|

## Functions

|                           |                          |  |
|---------------------------|--------------------------|--|
| <b>Camera Setup</b>       | <b>Register</b>          | Auto, Manual   |
|                           | <b>Item</b>              | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon)<br>Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSSNR, Shutter, SSSDR, DIS), Fisheye<br>Dewarping Mode, Hallway View Setup, Camera Webpage |
| <b>PTZ</b>                | <b>Control</b>           | Via GUI, Webviewer   |
|                           | <b>Preset</b>            | 300 Presets  |
| <b>Smart phone</b>        | <b>Support Model</b>     | iOS, Android   |
|                           | <b>Protocol Support</b>  | RTP, RTSP, HTTP, CGI(SUNAPI)   |
|                           | <b>Control</b>           | Live: Multi-Profile Support,<br>Multi Channel Playback   |
|                           | <b>Max. Remote Users</b> | Search(3), Live Unicast(10)  |
| <b>Redundancy</b>         | <b>Failover</b>          | N+1  |
|                           | <b>ARB</b>               | Support  |
| <b>Easy configuration</b> |                          | P2P(QR code)   |

## Interface

|                    |                  |  |
|--------------------|------------------|--|
| <b>Front</b>       | <b>Indicator</b> | Power, Record, Network                               |
| <b>Storage</b>     |                  | OK   |
| <b>Reset</b>       |                  | Support  |
| <b>HDMI</b>        |                  | 2EA  |
| <b>Audio</b>       |                  | Out 1EA (RCA output)                                 |
| <b>Ethernet</b>    |                  | PoE+ RJ-45(LAN, 10/100) 8 ea, RJ-45 1ea (WAN, 1Gbps) |
| <b>Alarm</b>       |                  | In 4EA, Out 2EA                                      |
| <b>USB</b>         |                  | 3EA(Front 2 x USB 2.0, Rear 1 x USB 3.0)             |
| <b>Power inlet</b> |                  | AC 1EA   |

## System

|                       |                 |  |
|-----------------------|-----------------|--|
| <b>Log</b>            | <b>Log List</b> | Max. 100,000 (System Log, Event Log each)  |
| <b>System Control</b> |                 | Mouse, Keyboard, Web   |
| <b>Language</b>       |                 | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Rumanian, Serbian,<br>Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese |

## Environmental

|                              |                             |
|------------------------------|-----------------------------|
| <b>Operating Temperature</b> | 0°C to +40°C(32°F to 104°F) |
| <b>Operating Humidity</b>    | 20% ~ 85% RH                |

## Electrical

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>Power Input</b>       | 100 ~ 240 VAC ±10%; 50/60 Hz         |
| <b>Power Consumption</b> | Max 165W (563 BTU with 2HDD, PoE On) |
| <b>PoE Budget</b>        | 100W                                 |

## Mechanical

|                          |  |
|--------------------------|--|
| <b>Color / Material</b>  | Black / Metal                                  |
| <b>Dimension (WxHxD)</b> | 370.0 x 50.7 x 320 mm (14.6 x 2.0 x 12.6 inch) |
| <b>Weight</b>            | 2.86Kg (6.31 lb)                               |

## Intelligent Analysis

|                  |                         |                                  |
|------------------|-------------------------|----------------------------------|
| <b>AI Search</b> | <b>Object Attribute</b> | Compatible for Wisenet AI Camera |
|------------------|-------------------------|----------------------------------|

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CAD

Unit: mm [inch]

