

# 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** | Inputs | Max. 8CH |
| | Resolution | 12MP ~ CIF |
| | Protocols | SUNAPI, ONVIF |
| **Decoding** | Local Display | HDMI1: 3840x2160(30Hz),<br>HDMI2: 1920x1080(60Hz) |
| | Multi Screen Display | 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 |
| | Resolution | [Local Monitor] 12M(30fps), 8M(20ch@30fps), 1080p(8ch@30fps), 720p(8ch@30fps), D1(16ch@30fps) |

### Performance

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

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## Performance

| | | |
|---|---|---|
| **Backup** | File backup | BU/Exe/AVI(GUI), JPG/AVI(Network) |
| | Function | Multi channel(Up to 8CH) Play, Date-Time/Title display |

## Network

| | | |
|---|---|---|
| **Protocol** | | 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) |
| **DDNS** | | Hanwha DDNS |
| **Transmission Bandwidth** | | Max. 120Mbps |
| **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 Device certificate(Hanwha Techwin Root CA), Signed firmware |
| **Web viewer** | Supported OS | Windows 10, macOS 11 |
| | Supported browser | Google Chrome, Microsoft Edge, Mac Safari |
| **Viewer Software** | | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS |

## Function

| | | |
|---|---|---|
| **Camera Setup** | Register | Auto, Manual |
| | Item | 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, SSNR, Shutter, SSDR, DIS),, Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |
| **PTZ** | Control | Via GUI, Webviewer |
| | Preset | 300 Presets |
| **Smart phone** | Support Model | iOS, Android |
| | Protocol Support | RTP, RTSP, HTTP, CGI(SUNAPI) |
| | Control | Live: Multi-Profile Support, Multi Channel Playback |
| | Max. Remote Users | Search(3), Live Unicast(10) |
| **Redundancy** | Failover | N+1 |
| | ARB | Support |
| **Easy configuration** | | P2P(QR code) |

## Interface

| | | |
|---|---|---|
| **Front** | Indicator | Power, Record, Network |
| **Storage** | | OK |
| **Reset** | | Support |
| **HDMI** | | 2EA |

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## Interface

| | |
|---|---|
| **Audio** | Out 1EA (RCA output) |
| **Ethernet** | PoE+ RJ-45(LAN, 10/100) 8ea, RJ-45 1ea (WAN, 1Gbps) |
| **Alarm** | In 4EA, Out 2EA |
| **USB** | 3EA(Front 2 x USB 2.0, Rear 1 x USB 3.0) |
| **Power inlet** | AC 1EA |

## System

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

## Environmental

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

## Electrical

| | |
|---|---|
| **Power Input** | 100 ~ 240 VAC ±10%, 50/60Hz |
| **Power Consumption** | Max. 165W(563 BTU with 2HDD, PoE On) |
| **Power Consumption w/o PoE** | 35W |
| **PoE Budget** | 100W |

## Mechanical

| | |
|---|---|
| **Color / Material** | Black / Metal |
| **Dimension** | 370.0 x 50.7 x 320.0 mm (14.57 x 2.00 x 12.60 inch) |
| **Weight** | 2.86Kg(6.31lb) |

## Intelligent Analysis

| | | |
|---|---|---|
| **AI Search** | Object Attribute | Compatible with Hanwha AI Cameras |

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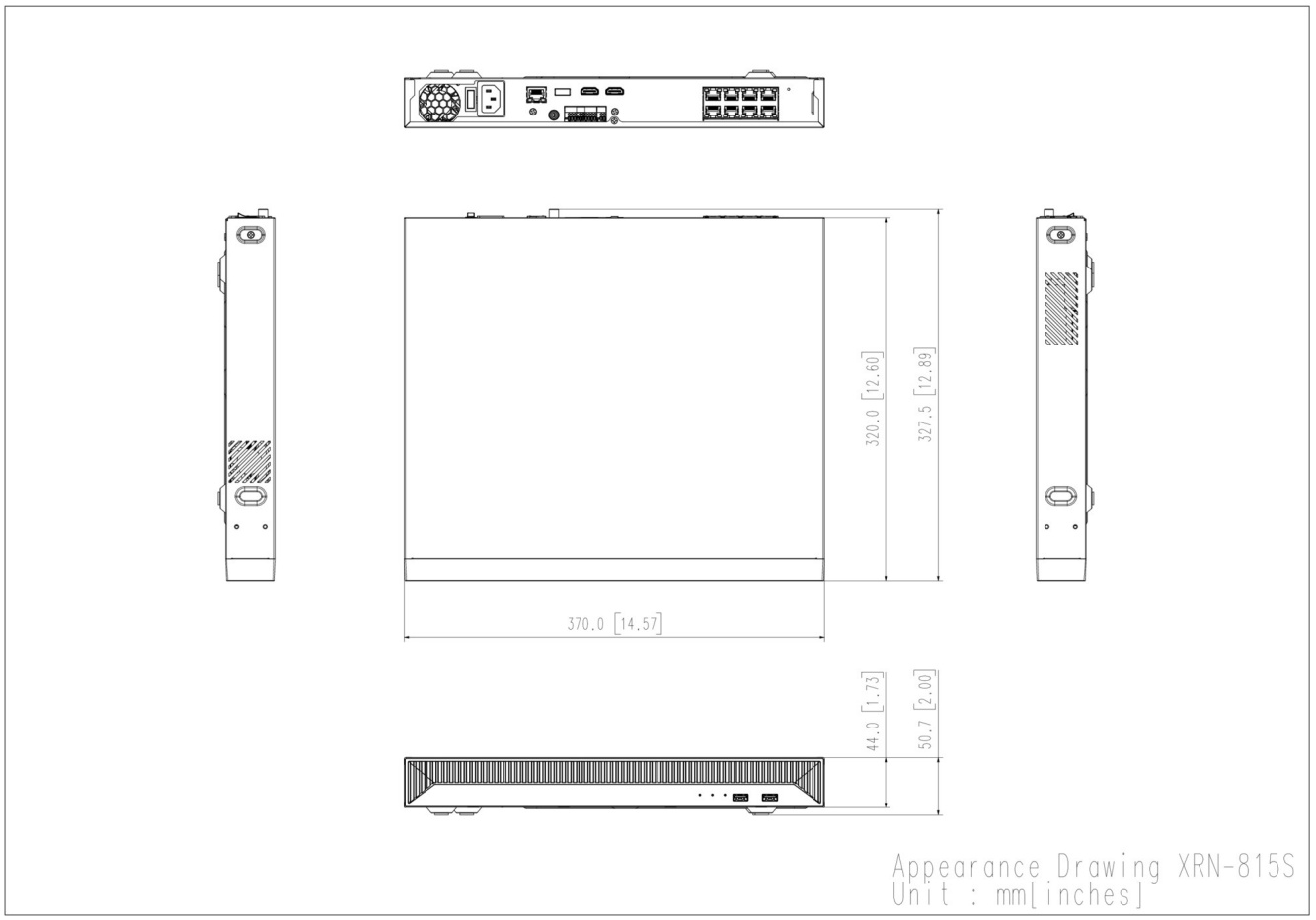
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## CAD

**Unit:** mm [inch]




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