



QRN-830S

8CH NVR



Key Features

- Up to 8CH, 8MP camera supported
- H.265, H.264, MJPEG codec
- 80Mbps network camera recording
- Plug & play by 8PoE(LAN, 10/100), 1PoE(WAN, 1Gbps)
- SATA 1ea(up to 6TB)
- ARB supported
- P2P service (QR code connect) supported

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Specifications

Display

| | | |
|----------------|-----------------------------|---|
| Network camera | Inputs | Max. 8CH |
| | Resolution | 8MP ~ CIF |
| | Protocols | SUNAPI, ONVIF |
| Decoding | Local Display | HDMI :3840x2160(30Hz) |
| | Multi Screen Display | [Single Monitor] Dynamic layout [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| | Resolution | [Local Monitor] 8M(60fps), 1080p(240fps), 720P(240fps), D1(240fps) |

Performance

| | | |
|------------------|------------------------------|---|
| Operating System | Embedded | Linux |
| Record | Compression | H.265, H.264, MJPEG |
| | Recording Bandwidth | Max. 80Mbps |
| | 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 ~ 8MP |
| | Playback Control | Fast/Slow Forward / Backward, Move one step Up / Down |
| Storage | Supported HDD | Up to 6TB |
| | HDD Slot | SATA 1ea(Max. 6TB) |
| 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. 80Mbps | |
| Audio | GUI | 8 CH(network) |
| | Web | 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 Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS |
|------------------------|---|

Functions

| | | |
|---------------------------|--------------------------|---|
| Camera Setup | Register | Auto, Manual |
| | Item | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) 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 |
| | 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 | | 1EA |
| Ethernet | | PoE RJ-45 8EA (LAN, 10/100), RJ-45 1ea (LAN/WAN 1Gbps) |
| USB | | 2EA(Front 2 x USB 2.0) |
| Power inlet | | DC Adaptor |

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 | 54VDC / 1.55A |
| Power Consumption | Max 84W (287 BTU with 1HDD, PoE ON) |
| PoE Budget | 65W |

Mechanical

| | |
|--------------------------|---|
| Color / Material | Black / Metal |
| Dimension (WxHxD) | 300 x 47.6 x 238.9 mm (11.8 x 1.9 x 9.4 inch) |
| Weight | 1.32Kg (2.91 lb) |

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CAD

Unit: mm [inch]

