

QRN-820S

8CH 8MP NVR with PoE switch



Key Features

- Up to 8CH 8MP resolution
- H.265, H.264, MJPEG codec
- WiseStream support
- 80Mbps network camera recording
- Plug & play by 8 PoE port
- Max. 1 HDD(Up to 6TB)
- HDMI output
- P2P service(QR code)

Display

| | | |
|----------------|---------------|--|
| Network camera | Inputs | Max. 8CH |
| | Resolution | 8MP ~ CIF |
| | Protocols | Wisenet, ONVIF |
| Decoding | Local Display | HDMI: 3840 x 2160, 1920x1080, 1280x720 |
| | Resolution | 8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(240fps), D1(240fps) |

Performance

| | | |
|---------------|-----------------------|--|
| Record | Compression | H.265, H.264, MJPEG |
| | Recording Bandwidth | Max. 80Mbps |
| | Resolution | 8MP ~ CIF |
| | Mode | Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording |
| | Event Trigger | Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus) |
| | Event Action | e-Mail, PTZ Preset, Buzzer, Monitor Out |
| Search & Play | Playback Bandwidth | Max. 32Mbps(8CH simultaneously) |
| | User | Max. 4 Users (Local 1, Remote 3) |
| | Simultaneous playback | Max. 8CH(Local Monitor, Network) |
| | Fisheye Dewarping | WEB / CMS / Mobile |
| Storage | Supported HDD | Up to 6TB |
| | HDD Slot | SATA 1ea(Max. 6TB) |
| Backup | File backup | BU/Exe(GUI), JPG/AVI(Network) |
| | Function | Multi channel(Upto 8CH) Play, Date-Time/Title display |

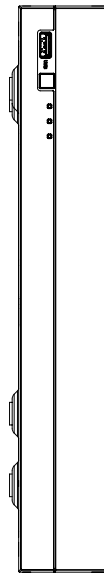
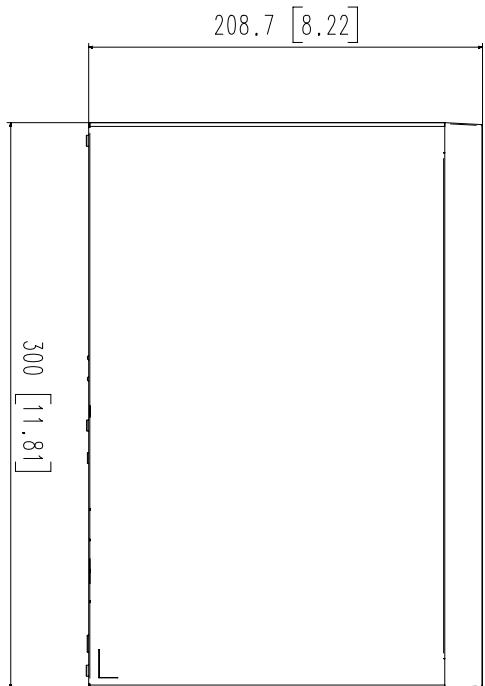
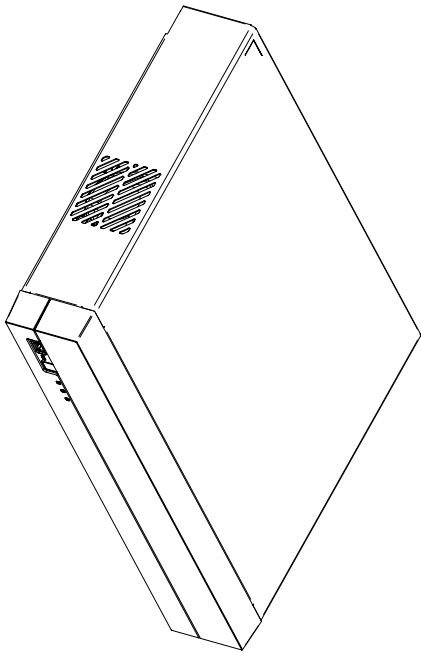
Network

| | | |
|------------------|---------------------|---|
| Protocol | | IPv4, IPv6, 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 | | Wisenet DDNS |
| Audio | Input/Output | 8CH(network) |
| | Compression | G.711, G.726, AAC(16/48KHz) |
| | Audio Communication | 2-Way |
| Max Remote Users | | Search(3), Live Unicast(10), Multicast(20) |
| Security | | HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA) |
| Viewer Software | | SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS |

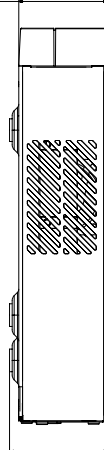
Functions

| | | |
|-----------------------|-------------------|---|
| Camera Setup | Item | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup 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 |
| Smart phone | Support Model | iOS, Android |
| | Protocol Support | RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI) |
| | Control | Live(Multi-Profile Support), Playback |
| | Max. Remote Users | Search(3), Live Unicast(10) |
| Redundancy | ARB | Support |
| Easy configuration | | P2P(QR code) |
| Interface | | |
| HDMI | | 1EA |
| Ethernet | | RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 8 |
| USB | | 2EA(Front 1, Rear 1) |
| System | | |
| System Control | | Mouse, IR remocon, Web |
| Language | | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, 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 / 1.67A |
| Power Consumption | | Max. 76.2W(1HDD, PoE on) Max. 8.1W(1HDD, PoE off) |
| PoE Budget | | Max. 65W |
| Mechanical | | |
| Color / Material | | Black / Metal |
| Dimension (WxHxD) | | W300.0 x H47.1 x D208.4 mm (11.8" x 1.85" x 8.2") (1U) |
| Weight | | 1.01Kg (2.23lb) |

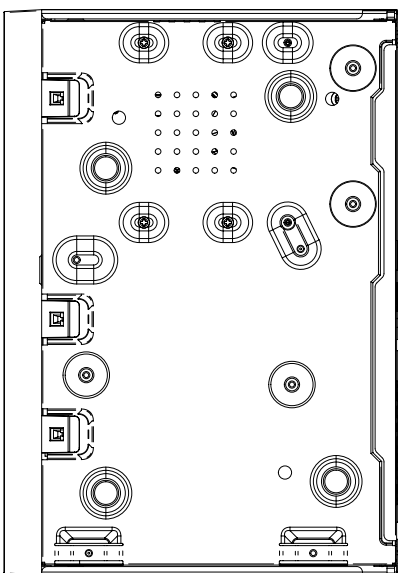
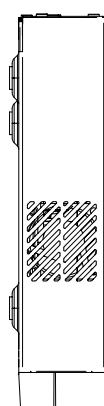
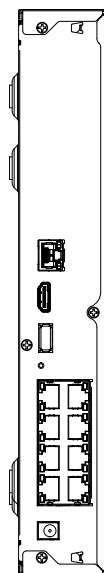
- The latest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of **Hanwha Techwin**, formerly known as Samsung Techwin.



47 [1.85]



51.9 [2.04]



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|---------------|-------------|----------------|--|
| Unit:mm[inch] | SCALE:1/1 | Hanwha Techwin | |
| No. | MODEL NAME | QRN-810 | |
| 1 | BASIC MODEL | '19.11.12 | |
| 2 | 파생 MODEL1 | LRN-810 | |
| 3 | 파생 MODEL2 | QRN-820 | |