



## QRN-420S

4CH 8MP NVR with PoE switch

### Benefits

- Plug and play, easy installation
- Event record and search
- HDMI output for video display
- Dual track recording can record high resolution stream and VGA stream at the same time, reducing video delay
- Support independent display. User can set different Split view mode
- Easily connect to NVR from anywhere with your smartphone through Wisenet Mobile Application

### Key Features

- Up to 4CH 8MP resolution
- H.265, H.264, MJPEG codec
- WiseStream support
- USB keyboard supported
- Support SUNAPI and ONVIF Profile
- 40Mbps network camera recording
- Plug & play by 4 PoE port
- Max. 1 HDD(Up to 6TB)
- HDMI, VGA output
- P2P service(QR code)

## QRN-420S

### DISPLAY

#### NETWORK CAMERA

Inputs	Max. 4CH
Resolution	8MP ~ CIF
Protocols	Wisenet, ONVIF

#### DECODING

Local Display	HDMI: 3840 x 2160, 1920x1080, 1280x720
Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(120fps), 720p(120fps), D1(120fps)

### PERFORMANCE

#### RECORD

Compression	H.265, H.264, MJPEG
Recording Bandwidth	Max. 40Mbps
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(4CH simultaneously)
User	Max. 4 Users (Local 1, Remote 3)
Simultaneous playback	Max. 4CH(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 4CH) 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

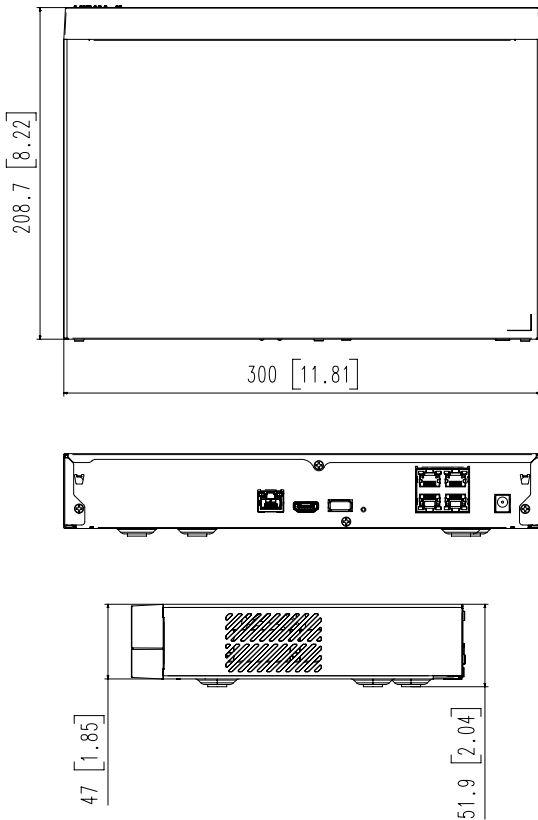
Input/Output	4CH(network)
Compression	G.711, G.726, AAC(16/48KHz)
Audio Communication	2-Way
Max Remote Users	Search(3), Live Unicast(10), Multicast(20)

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)
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Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3rd party VMS
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## Dimensions

Unit:mm(inch)



## QRN-420S

### 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, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
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#### PTZ

Control	Via GUI, Webviewer
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#### 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(10/100BASE-T) x 1 RJ-45(PoE+) x 4
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 / 1.20A
Power Consumption	Max. 47W(1HDD, PoE on) Max. 7.4W(1HDD, PoE off)
PoE Budget	Max. 35W

#### 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	0.99Kg (2.18lb)

\* 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.

\* Wisenet is the proprietary brand of Hanwha Techwin.