



# ARN-410S

4CH NVR



## Key Features

- Up to 4 channels @ 8MP resolution
- H.265, H.264, MJPEG codec
- 40Mbps network camera recording
- Plug & play with 4 PoE ports
- 1 HDD (Up to 6TB)
- HDMI output
- P2P service (QR code connect) for easy remote access with Wisenet Viewer & Wisenet Mobile
- Dual track recording, 4K HDMI monitor out

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## Specifications

### Display

|                |                      |  |
|----------------|----------------------|--|
| Network camera | Inputs               | Max. 4CH   |
|                | Resolution           | 8MP ~ CIF  |
|                | Protocols            | SUNAPI, ONVIF  |
| Decoding       | Local Display        | HDMI   |
|                | Multi Screen Display | [Local Monitor] 1/ 2V/ 2H/ 3V/ 4/ Sequence [Web] 1/ 2V/ 2H/ 3V/ 4  |
|                | Resolution           | [Local Monitor] 8M(30fps), 1080p(120fps), 720P(120fps), D1(120fps) |

### Performance

|                  |                       |   |
|------------------|-----------------------|---|
| Operating System | Embedded              | Linux   |
| Record           | Compression           | H.265, H.264, MJPEG   |
|                  | Recording Bandwidth   | Max. 40Mbps   |
|                  | 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 |
|                  | Event Action          | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out                                    |
| Search & Play    | Playback Bandwidth    | Max. 32Mbps   |
|                  | User                  | Max. 4 Users (Local 1, Remote 3)  |
|                  | Simultaneous playback | Max. 16CH(Local 4CH, Remote 4CH per user)   |
|                  | 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(GUI), JPG/AVI(Network)   |
|                  | Function              | Multi channel(Up to 4CH) 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) |
|----------|--|

## Network

|                        |                     |   |
|------------------------|---------------------|---|
| DDNS                   |                     | Hanwha DDNS   |
| Transmission Bandwidth |                     | Max. 40Mbps   |
| Audio                  | Input/Output        | 4 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 10.13   |
|                        | Supported browser   | Google Chrome, Microsoft Edge, Mac Safari   |
| Viewer Software        |                     | WAVE, SSM, Webviewer, Wisenet 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) Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSSNR, 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 4CH(Multi-Profile Support), Playback 4CH   |
|                    | 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                              |
| Reset       |           | Support   |
| HDMI        |           | 1EA 3840x2160 30Hz                                  |
| Ethernet    |           | PoE RJ-45(LAN, 10/100) 4ea, RJ-45 1ea (WAN, 10/100) |
| USB         |           | 2EA(Front 1 x USB 2.0, Rear 1 x USB 2.0)            |
| Power inlet |           | DC Adaptor  |

## System

|                |          |   |
|----------------|----------|---|
| Log            | Log List | Max. 100,000 (System Log, Event Log each) |
| System Control |          | Mouse, Web                                |

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## System

|          |  |
|----------|--|
| 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 |
|----------|--|

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## Environmental

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | 0°C to +40°C(32°F to 104°F) |
|-----------------------|-----------------------------|

|                    |              |
|--------------------|--------------|
| Operating Humidity | 20% ~ 85% RH |
|--------------------|--------------|

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## Electrical

|             |             |
|-------------|-------------|
| Power Input | 54VDC/1.20A |
|-------------|-------------|

|                   |                        |
|-------------------|------------------------|
| Power Consumption | Max. 52W(1HDD, PoE On) |
|-------------------|------------------------|

|            |     |
|------------|-----|
| PoE Budget | 35W |
|------------|-----|

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## Mechanical

|                  |               |
|------------------|---------------|
| Color / Material | Black / Metal |
|------------------|---------------|

|           |   |
|-----------|---|
| Dimension | 300.0 x 47.0 x 208.7 mm (11.81 x 1.85 x 8.22 inch) (1U) |
|-----------|---|

|        |                |
|--------|----------------|
| Weight | 1.03Kg(2.27lb) |
|--------|----------------|

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## CAD

Unit: mm [inch]

