

# XRN-1620B2

16CH NVR



FC | UL LISTED | CE | EAC

## Key Features

- Up to 16CH 32MP supported
- Max. 140Mbps network camera recording
- HDMI out
- User friendly UI / UX
- AI search support when working with Wisenet AI camera
- Dynamic Event support
  - New event function of cameras is available without software update
- H.265, H.264, MJPEG codec supported
- Bookmark management (Up to 100 set)
- SATA 8ea (Up to 80TB)

| Display          |  |  |
|------------------|--|--|
| Network camera   | Inputs   | Max. 16CH  |
|                  | Resolution   | 32MP ~ CIF   |
|                  | Protocols  | SUNAPI, ONVIF  |
| Decoding         | Local Display  | FHD : HDMI & VGA Dual monitor<br>UHD : HDMI Single monitor   |
|                  | Multi Screen Display   | [Local Monitor] 1/ 2V/ 2H/ 3V/ 4/ 6/ 8/ 9/ 13/ 16/ Sequence<br>[Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9   |
|                  | Resolution   | [Local Monitor]<br>FHD Clone mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(480fps)<br>UHD Single mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(270fps)<br>FHD Expand mode: 32M(12fps, H.265 Only), 12M(25fps, H.265 Only), 8.3M(30fps), 1080p(90fps), D1(200fps)<br>Clone/Single mode : MAX 15fps when displaying more than 10CH<br>Expand mode : Up to 9 divisions, Max 15fps when displaying more than 8CH |
| Performance      |  |  |
| Operating System | Embedded   | Linux  |
| Record           | Compression  | H.265, H.264, MJPEG  |
|                  | Recording Bandwidth  | Max. 140Mbps   |
|                  | Resolution   | 32MP ~ 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. 64CH(Local 16CH, Remote 16CH per user)  |
|                  | Fisheye Dewarping  | CMS  |
|                  | Mode   | Date & Time(Calendar), Event list, Text Search, Smart Search   |
|                  | Resolution   | CIF ~ 32MP (Up to H.264 8.3MP, H.265 32MP)   |
|                  | Playback Control   | Fast/Slow Forward / Backward, Move one step Up / Down  |
| Storage          | Supported HDD  | Up to 10TB   |
|                  | HDD Slot   | SATA 8ea(Max. 80TB)  |
| Backup           | File backup  | BU/Exe(GUI), JPG/AVI(Network)  |
|                  | Function   | Multi channel(Up to 16CH) 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) |  |

|                               |                            |   |
|-------------------------------|----------------------------|---|
| <b>DDNS</b>                   |                            | Hanwha DDNS   |
| <b>Transmission Bandwidth</b> |                            | Max. 140Mbps  |
| <b>Audio</b>                  | <b>Input/Output</b>        | 16 CH(network)  |
|                               | <b>Compression</b>         | G.711, G.726, AAC(16/48KHz)   |
|                               | <b>Audio Communication</b> | 2-Way   |
| <b>Max Remote Users</b>       |                            | Search(3), Live Unicast(10), Multicast(20)  |
| <b>Security</b>               |                            | IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware |
| <b>Web viewer</b>             | <b>Supported OS</b>        | Windows 10, macOS 10.13   |
|                               | <b>Supported browser</b>   | Google Chrome, Microsoft Edge, Mac Safari, Firefox  |
| <b>Viewer Software</b>        |                            | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS          |

### Functions

|                           |                          |  |
|---------------------------|--------------------------|--|
| <b>Camera Setup</b>       | <b>Register</b>          | Auto, Manual   |
|                           | <b>Item</b>              | 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, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |
| <b>PTZ</b>                | <b>Control</b>           | Via GUI, Webviewer, SPC-2000   |
|                           | <b>Preset</b>            | 300 Presets  |
| <b>Smart phone</b>        | <b>Support Model</b>     | iOS, Android   |
|                           | <b>Protocol Support</b>  | RTP, RTSP, HTTP, CGI(SUNAPI)   |
|                           | <b>Control</b>           | Live 16CH(Multi-Profile Support), Playback 4CH   |
|                           | <b>Max. Remote Users</b> | Search(3), Live Unicast(10)  |
| <b>Redundancy</b>         | <b>Failover</b>          | N+1  |
|                           | <b>ARB</b>               | Support  |
| <b>Easy configuration</b> |                          | P2P(QR code)   |

### Interface

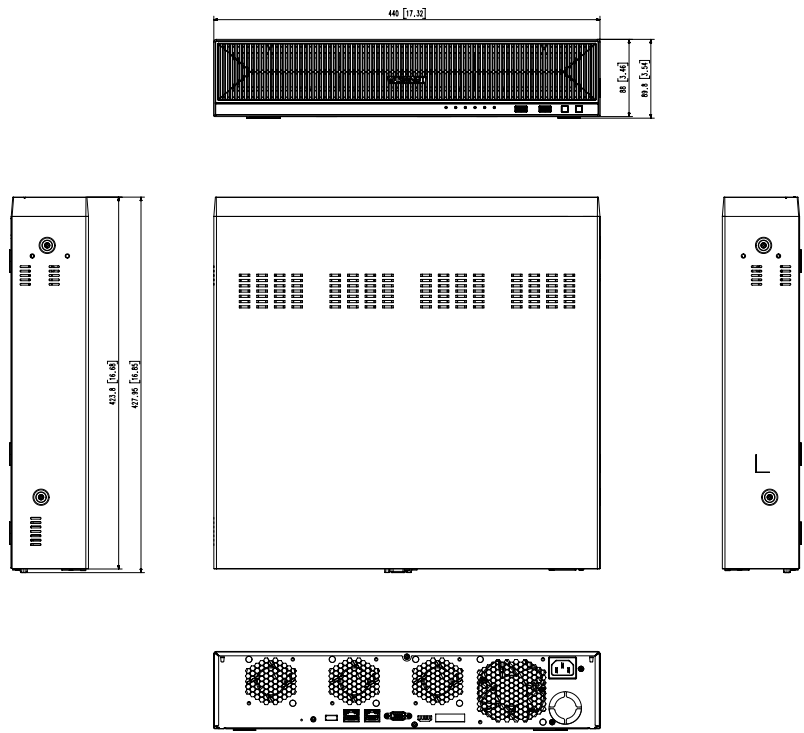
|                    |                  |  |
|--------------------|------------------|--|
| <b>Front</b>       | <b>Indicator</b> | HDD, Alarm, Power, Record, Backup, Network |
| <b>Storage</b>     |                  | OK   |
| <b>HDMI</b>        |                  | 1EA 3840x2160 30Hz                         |
| <b>VGA</b>         |                  | 1EA 1920x1080 60Hz                         |
| <b>Audio</b>       |                  | Out 1EA                                    |
| <b>Ethernet</b>    |                  | RJ-45 2EA (LAN/WAN, 1Gbps)                 |
| <b>Alarm</b>       |                  | In 4EA, Out 2EA                            |
| <b>USB</b>         |                  | 3EA(Front 2 x USB 2.0, Rear 1 x USB 3.0)   |
| <b>Power inlet</b> |                  | AC 1EA                                     |

### System

|            |                 |   |
|------------|-----------------|---|
| <b>Log</b> | <b>Log List</b> | Max. 100,000 (System Log, Event Log each) |
|------------|-----------------|---|

|                              |  |
|------------------------------|--|
| <b>System Control</b>        | Mouse, Web, Controller (SPC-2000)  |
| <b>Language</b>              | 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 |
| <b>Environmental</b>         |  |
| <b>Operating Temperature</b> | 0°C to +40°C(32°F to 104°F)  |
| <b>Operating Humidity</b>    | 20% ~ 85% RH   |
| <b>Electrical</b>            |  |
| <b>Power Input</b>           | 100 ~ 240 VAC ±10%; 50/60 Hz   |
| <b>Power Consumption</b>     | 130W   |
| <b>Mechanical</b>            |  |
| <b>Color / Material</b>      | Black  |
| <b>Dimension (WxHxD)</b>     | 440 x 89.8 x 428.4 mm  |
| <b>Weight</b>                | 5.71Kg   |
| <b>Intelligent Analysis</b>  |  |
| <b>AI Search</b>             | <b>Object Attribute</b> Compatible for Wisenet AI Camera   |

- 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, formerly known as Samsung Techwin.



|                |            |           |
|----------------|------------|-----------|
| 3              |            |           |
| 2              |            |           |
| 1              | XRN-1620B2 | '20.12.01 |
| No.            | MODEL NAME | DATE      |
| Unit:mm[inch]  |            | SCALE:1/2 |
| Hanwha Techwin |            |           |