

XRN-1620SB1

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
- Plug & play by 16 PoE ports
- Bookmark management (Up to 100 set)
- SATA 4ea (Up to 24TB)

| Display | | |
|------------------|--|--|
| Network camera | Inputs | Max. 16CH |
| | Resolution | 32MP ~ CIF |
| | Protocols | SUNAPI, ONVIF |
| Decoding | Local Display | FHD : HDMI & VGA Dual monitor UHD : HDMI Single monitor |
| | Multi Screen Display | [Local Monitor] 1/ 2V/ 2H/ 3V/ 4/ 6/ 8/ 9/ 13/ 16/ Sequence [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| | Resolution | [Local Monitor] FHD Clone mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(480fps) UHD Single mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(270fps) FHD Expand mode: 32M(12fps, H.265 Only), 12M(25fps, H.265 Only), 8.3M(30fps), 1080p(90fps), D1(200fps) Clone/Single mode : MAX 15fps when displaying more than 10CH 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 6TB |
| | HDD Slot | SATA 4ea(Max. 24TB) |
| 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) | |

| | | |
|-------------------------------|----------------------------|---|
| DDNS | | Hanwha DDNS |
| Transmission Bandwidth | | Max. 140Mbps |
| Audio | Input/Output | 16 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, Firefox |
| Viewer Software | | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/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, SPC-2000 |
| | Preset | 300 Presets |
| Smart phone | Support Model | iOS, Android |
| | Protocol Support | RTP, RTSP, HTTP, CGI(SUNAPI) |
| | Control | Live 16CH(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

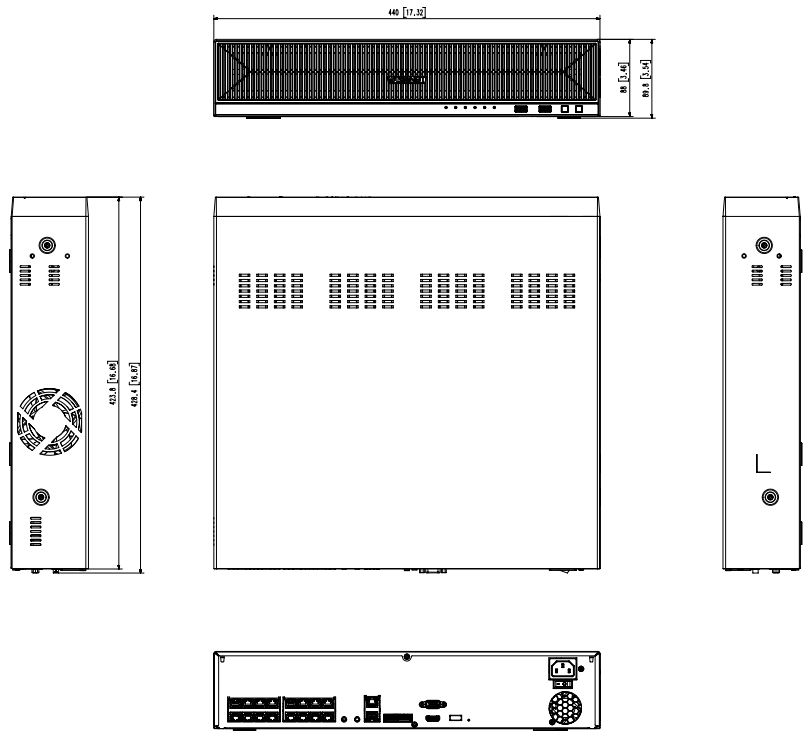
| | | |
|--------------------|------------------|---|
| Front | Indicator | HDD, Alarm, Power, Record, Backup, Network |
| Storage | | OK |
| HDMI | | 1EA 3840x2160 30Hz |
| VGA | | 1EA 1920x1080 60Hz |
| Audio | | Out 1EA |
| Ethernet | | PoE RJ-45 16EA (LAN, 10/100), RJ-45 2ea (LAN/WAN 1Gbps) |
| Alarm | | In 4EA, Out 2EA |
| USB | | 3EA(Front 2 x USB 2.0, Rear 1 x USB 3.0) |
| Power inlet | | AC 1EA |

System

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

| | |
|------------------------------|--|
| System Control | Mouse, Web, Controller (SPC-2000) |
| 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 | 100 ~ 240 VAC ±10%; 50/60 Hz |
| Power Consumption | Max. 310W |
| PoE Budget | 200W |
| Mechanical | |
| Color / Material | Black |
| Dimension (WxHxD) | 440 x 89.8 x 428.4 mm |
| Weight | 5.76Kg |
| Intelligent Analysis | |
| AI Search | Object Attribute Compatible for Wisenet AI Camera |

- 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.



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|----------------|-------------|-----------|
| 3 | | |
| 2 | | |
| 1 | XRN-1620SB1 | '20.12.01 |
| No. | MODEL NAME | DATE |
| Unit:mm[inch] | | SCALE:1/2 |
| Hanwha Techwin | | |