



XRN-1620SB1

16CH NVR



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)

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Specifications

| | | |
|------------------|-----------------------|--|
| 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] - Dynamic layout, Virtual channel view - Clone mode : Up to 16 Division - Expand mode : Up to 9 Division [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| Decoding | 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 : Up to 25fps when displaying more than 10CH |
| | | |
| 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, User Event |
| | Event Action | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown |
| 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) |
| | RAID | RAID-1 |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com.

Hanwha Vision is formerly known as Hanwha Techwin.

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|------------------------|--|--|
| Backup | File backup | BU/Exe/AVI(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 |
| Viewer Software | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support 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, SSSNR, 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 (3.5mm Audio Jack) | |
| 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, Keyboard, Web, Controller (SPC-2000) | |

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| Language | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Romanian, 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 / Metal | |
| Dimension (WxHxD) | 440 x 89.8 x 428.4 mm (17.32 x 3.54 x16.87 inch) | |
| Weight | 5.76Kg (12.70lb) | |
| Intelligent Analysis | | |
| AI Search | Object Attribute | Compatible for Hanwha AI Camera |