



XRN-6420B4

64CH NVR with 12th gen. Intel® Processor



Key Features

- 64CH, 32MP resolution
- SATA 16 HDD Bays (up to 160TB)
- Up to 520Mbps recording / transmission bandwidth
- Easy Channel/Event/Alarm configuration
- Virtual Channel View
- Dynamic layout
- Built-in Support for Web Management (up to 100)
- Compatible with Wisenet Viewer, Wisenet mobile
- NDA compliant and TPM integrated
- Manual event support

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Specifications

| | | |
|------------------|-----------------------|---|
| Display | | |
| Network camera | Inputs | Max. 64CH |
| | Resolution | 32MP ~ CIF |
| | Protocols | SUNAPI, ONVIF |
| Decoding | Local Display | [Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz) |
| | Multi Screen Display | [Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 64 Division - Expand Mode : HDMI1 up to 36 Div. HDMI2 up to 32 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| | Resolution | 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(64ch@30fps) |
| Performance | | |
| Operating System | Embedded | Linux |
| Record | Compression | H.265, H.264, MJPEG |
| | Recording Bandwidth | Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps {RAID mode} Normal : Up to 520 Mbps Degrade/ Rebuild : Up to 520 Mbps |
| | 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 |
| Search & Play | Event Action | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown |
| | Playback Bandwidth | Up to 200Mbps(64CH simultaneously) |
| | User | Max. 4 Users (Local 1, Remote 3) |
| | Simultaneous playback | Max. 112CH(Local 64CH, Remote 16CH per user) |
| | Fisheye Dewarping | Support (Local 1CH), CMS |
| | Mode | Time/ Event/ Text/ ARB/ Bookmark/ Smart search |
| | Resolution | CIF ~ 32MP (Up to H.264 9MP, H.265 32MP) |
| Storage | Playback Control | Fast/Slow Forward / Backward, Move one step Up / Down |
| | Supported HDD | Up to 10TB |
| | HDD Slot | SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap |
| | External | iSCSI storage |
| | RAID | RAID-5/6(Array Size : 8 HDDs x 2 Array) |

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

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| | | |
|------------------------|--|--|
| Backup | File backup | Recorder/SEC/AVI/JPG(Local), AVI/PNG(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. 520Mbps | |
| Audio | Input/Output | 64 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, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support | |
| Web viewer | Supported OS | Windows10 or higher, macOS 13.5.2 or higher |
| | Supported browser | Google Chrome, Microsoft Edge, Mac Safari |
| Viewer Software | 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-2000/2001 |
| | Preset | 300 Presets |
| Smart phone | Support Model | iOS, Android |
| | Protocol Support | RTP, RTSP, HTTP, CGI(SUNAPI) |
| | Control | Live 16CH(Multi-Profile Support), Playback 4CH |
| Redundancy | Max. Remote Users | Search(3), Live Unicast(10) |
| | Failover | N+1 |
| Easy configuration | ARB | Support |
| | P2P(QR code) | |
| Interface | | |
| Front | Indicator | HDD, Alarm, Power, Record, Backup, Network, RAID |
| Storage | Yes | |
| Reset | Power button | |
| HDD Key Lock | Yes | |
| HDMI | 2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz | |
| Audio | Out 1EA (3.5mm Audio Jack) | |
| Ethernet | RJ-45 3EA (LAN/WAN, 1Gbps) | |
| Alarm | In 8EA, Out 4EA | |
| USB | 4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0) | |
| Power inlet | AC 1EA | |
| System | | |

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| | | |
|-----------------------------|---|---|
| Log | Log List | Max. 100,000 (System Log, Event Log each) |
| System Control | Mouse(include wireless), Keyboard(include wireless), Web, Controller (SPC-2000/2001) | |
| Language | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, 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, 2.7A (Single SMPS) | |
| Power Consumption | Max. 265W (904.2 BTU with HDD 16ea) | |
| Mechanical | | |
| Color / Material | Black / Metal | |
| Dimension (WxHxD) | 440.0 x 132.0 x 571.1mm | |
| Weight | Approx. 14Kg(30.9 lb, HDD not included) | |
| Intelligent Analysis | | |
| AI Search | Object Attribute | Compatible with Hanwha AI Cameras |

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CAD

Unit:mm [inch]

