



# XRN-6420DB4

64CH NVR with 12th gen. Intel® Processor



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### **Key Features**

- 64CH, 32MP resolution
- SATA 16ea (up to 160TB
- Up to 520Mbps recording / transmission bandwidth
- Easy Channel/Event/Alarm configuration
- Virual channal view
- Dynamic layout
- Built-in browser supportmanagement (up to 100 set)
- Compatible with Wisenet Viewer, Wisenet mobile
- NDAA compliant and TPM integrated
- Manual event support



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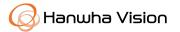




### **Specifications**

| Display          |                       |  |
|------------------|-----------------------|--|
|                  | Inputs                | Max. 64CH  |
| Network camera   | Resolution            | 32MP ~ CIF   |
|                  | Protocols             | SUNAPI, ONVIF  |
| Decoding         | Local Display         | [Dual Display]<br>HDMI 1: 3840 x 2160 (30Hz)<br>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),<br>8.3M(4ch@30fps), 1080p(16ch@30fps),<br>720P(32ch@30fps), D1(64ch@30fps)   |
| Performance      |                       |  |
| Operating System | Embedded              | Linux  |
|                  | Compression           | H.265, H.264, MJPEG  |
|                  | Recording Bandwidth   | Distributed mode: Up to 520 Mbps<br>Normal mode: Up to 300 Mbps<br>{RAID mode}<br>Normal: Up to 520 Mbps<br>Degrade/ Rebuild: Up to 520 Mbps                           |
| D l              | Resolution            | 32MP ~ CIF   |
| Record           | Mode                  | Normal, Dual Stream, Schedule(Continuous/Event), Even<br>(Pre/Post), Bookmark  |
|                  | Event Trigger         | Alarm Input, Video Loss, Camera Event(Sensor, MD, Video<br>Analytics, Defocus, Audio), Dynamic Event, User Event   |
|                  | Event Action          | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer,<br>Monitor Out, FTP,<br>SUNAPI Command, Shutdown  |
|                  | Playback Bandwidth    | Up to 200Mbps(64CH simultaneously)   |
|                  | User                  | Max. 4 Users (Local 1, Remote 3)   |
| Search & Play    | 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)   |
|                  | Playback Control      | Fast/Slow Forward / Backward, Move one step Up / Down  |
|                  | Supported HDD         | Up to 10TB   |
| 61               | HDD Slot              | SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap   |
| Storage          |                       |  |
| Storage          | External              | iSCSI storage  |

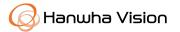
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| Backup                 | File backup  | Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)  |  |
|------------------------|--|--|--|
|                        | Function   | Multi channel(Up to 16CH) Play, Date-Time/Title display  |  |
| Network                |  |  |  |
| Network                | IPv4 IPv6 TCP/IP IIDP/IP RTP (IIDP)  | RTP (TCP) RTSP RTCP NTP HTTP DHCP (Server Client) SMTP   |  |
| Protocol               | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, 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              |  |  |  |
|                        | Register   | Auto, Manual   |  |
| Camera Setup           | ltem   | 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, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |  |
|                        | Control  | Via GUI, Webviewer, SPC-2000/2001  |  |
| PTZ                    | Preset   | 300 Presets  |  |
|                        | Support Model  | iOS, Android   |  |
|                        | Protocol Support   | RTP, RTSP, HTTP, CGI(SUNAPI)   |  |
| Smart phone            | Control  | Live 16CH(Multi-Profile Support), Playback 4CH   |  |
|                        | Max. Remote Users  | Search(3), Live Unicast(10)  |  |
|                        | Failover   | N+1  |  |
| Redundancy             | ARB  | Support  |  |
| Easy configuration     | P2P(QR code)   |  |  |
| Interface              |  |  |  |
| Front                  | Indicator  | HDD, Alarm, Power, Record, Backup, Network, RAID   |  |
| Storage                | Yes  |  |  |
| Reset                  | Power button   |  |  |
| HDD Key Lock           | Yes  |  |  |
| НДМІ                   | 2EA ( Playback/Setup → HDMI1)<br>HDMI1 : 3840x2160 30Hz<br>HDMI2 : 1920x1080 60Hz  |  |  |
| Audio                  | Out 1EA (3.5mm Audio Jack)   |  |  |
| Ethernet               | RJ-45 3EA (LAN/WAN, 1Gbps)   |  |  |
| Alarm                  | In 8EA, Out 4EA  |  |  |
|                        | 4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0)   |  |  |
| USB                    | 4EA(Front 2 x USB 2.0, Rear 2 x USB 3.   | .0)  |  |

#### 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 $\pm$ 10%; 50/60 Hz, 2.7A (Dual 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. 15.1Kg(33.3 lb, HDD not included)   |   |  |
| Intelligent Analysis  |   |   |  |
| Al Search             | Object Attribute  | Compatible for Hanwha Al Camera           |  |



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CAD Unit:mm [inch]

