



XRN-6410DB4

64CH 32MP NVR

Benefits

- A recorder that can read AI meta-data, making it compatible with AI cameras, allowing easy search of objects and attributes (person, vehicle, number plate and face)
- New user friendly UI with Instant viewer, Timeline pre-view and Event thumbnail view
- Simultaneous playback for speed of use
- Supports 8K and 4K cameras
- Conformant with ONVIF Profile S
- New design with better cooling system
- Equipped with a dual switched-mode power supply (SMPS), to ensure continuity of recording for mission critical applications

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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] 1/ 2V/ 3V/ 4/ 8/ 9/ 13/ 16/ 25/ 36/ 64/ Sequence [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| Resolution | 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(120fps), 1080p(480fps), 720P(960fps), D1(960fps) |

PERFORMANCE

| | |
|-----------------------|---|
| Operating System | |
| Embedded | Linux |
| Record | |
| Compression | H.265, H.264, MJPEG |
| Recording Bandwidth | Max. 400Mbps |
| 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 | RAID Mode : Max. 64Mbps(64CH simultaneously) Non-RAID Mode : Max. 32Mbps |
| User | Max. 4 Users (Local 1, Remote 3) |
| Simultaneous playback | Max. 112CH(Local 64CH, Remote 16CH per user) |
| Fisheye Dewarping | CMS |
| Mode | Date & Time(Calendar), Event list, Text Search, Smart Search |
| Resolution | CIF ~ 32MP (Up to H.264 9MP, H.265 32MP) |
| Playback Control | Fast/Slow Forward / Backward, Move one step Up / Down |
| Storage | |
| Supported HDD | Up to 10TB |
| HDD Slot | SATA 16ea (Max. 160TB, Non-RAID mode) |
| External | iSCSI storage |
| RAID | RAID-5/6 (Array Size : 8 HDDs x 2 Array) |
| Backup | |
| File backup | BU/Exe(GUI), JPG/AVI(Network) |
| Function | Multi channel(Up to 16CH) Play, Date-Time/Title display |

NETWORK

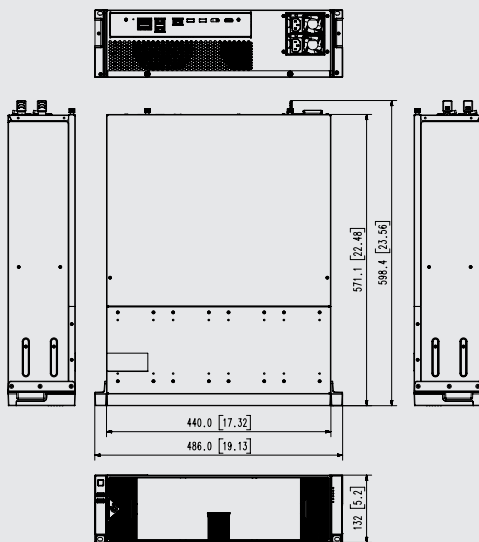
| | |
|------------------------|--|
| Protocol | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client) |
| DDNS | Hanwha DDNS |
| Transmission Bandwidth | Max. 400Mbps |
| 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, 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 | SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS |

Key Features

- Up to 64CH, 32MP Resolution
- Max. 400Mbps 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
- Bookmark management (Up to 100 set)
- H.265, H.264, MJPEG compression support
- SATA 16ea (Up to 160TB)
- RAID 5/6 support
- Dual power supply (SMPS) for resilience

Dimensions

Unit:mm(inch)



* 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.

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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 |
| Reset | Power button |
| HDD Key Lock | OK |
| HDMI | 2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz |
| Audio | Out 1EA |
| 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 2EA |

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, 2.7A (Dual SMPS) |
| Power Consumption | Max. 265W (904.2 BTU with HDD 16ea) |

MECHANICAL

| | |
|-------------------|---|
| Colour / Material | Black / Metal |
| Dimension (WxHxD) | 440.0 x 132.0 x 571.1mm |
| Weight | Approx. 14.1Kg(31.1 lb, HDD not included) |

INTELLIGENT ANALYSIS

| | |
|------------------|----------------------------------|
| AI Search | |
| Object Attribute | Compatible for Wisenet AI Camera |