



XRN-3210B4

32CH 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

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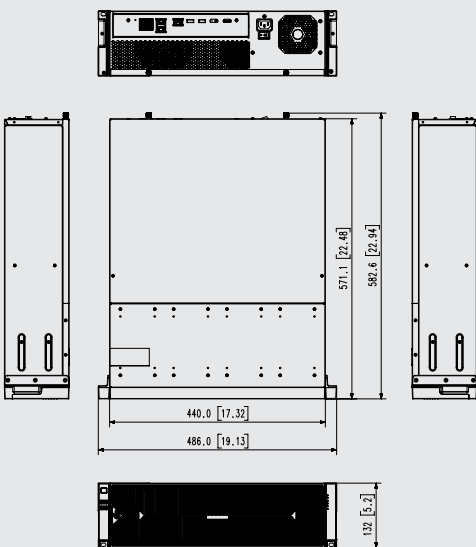
DISPLAY	
Network camera	
Inputs	Max. 32CH
Resolution	32MP ~ CIF
Protocols	SUNAPI, ONVIF
Decoding	
Local Display	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
Multi Screen Display	[Local Monitor] 1/ 2V/ 3V/ 4/ 8/ 9/ 13/ 16/ 25/ 36/ Sequence [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
Resolution	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(32CH simultaneously) Non-RAID Mode : Max. 32Mbps
User	Max. 4 Users (Local 1, Remote 3)
Simultaneous playback	Max. 80CH(Local 32CH, 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
Audio	
Input/Output	32 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 32CH, 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

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, SSNR, Shutter, SSSR, 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 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, 2.7A (Single 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. 13.4Kg(29.6 lb, HDD not included)

INTELLIGENT ANALYSIS

AI Search	
Object Attribute	Compatible for Wisenet AI Camera