

XRN-3210B4

32CH 32MP NVR



Key Features

- Up to 32 channels, 32MP resolution camera support
- Maximum 400Mbps network camera recording
- Dual HDMI video out
- User friendly UI / UX
- AI search support with compatible Wisenet AI cameras
- Dynamic Event support
 - New event function of cameras is available without software update
- Bookmark management for easy retrieval and protection of video clips (Up to 100 bookmarks)
- H.265, H.264, MJPEG compression support
- Supports up to 16 SATA HDDs, up to 10Tb each (Maximum capacity 160TB)
- RAID 5/6 support

Display

Network camera	Inputs	Maximum 32 channels (Note: Each sensor of a multi-directional camera/encoder occupies 1 channel)
	Resolution	CIF ~ 32MP
	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	32MP(15fps, H.265 Only), 12MP(30fps, H.265 Only), 8.3MP(120fps), 1080p(480fps), 720P(960fps), D1(960fps)

Performance

Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Maximum 400Mbps
	Resolution	CIF ~ 32MP
	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 : Maximum 64Mbps (32CH simultaneously) Non-RAID Mode : Maximum 32Mbps
	User	Maximum 4 Users (Local 1, Remote 3)
	Simultaneous playback	Maximum 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 9MP @ H.264, 32MP @ H.265)
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
	Storage	Supported HDD
HDD Slot		SATA 16ea (Maximum 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	Maximum 400Mbps	
Audio	Input/Output	32 CH (network, as per connected camera)
	Compression	G.711, G.726, AAC(16/48KHz)

	Audio Communication	2-Way
Maximum 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, Apple Safari (macOS)
Viewer Software		Wisenet WAVE, Webviewer, SmartViewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3rd 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, SSNR, 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
	Maximum Remote Users	Search(3), Live Unicast(10)
Redundancy	Failover	N+1
	ARB	Support
Easy configuration		P2P (QR code) for Mobile app
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	Maximum 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
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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	Maximum 265W (904.2 BTU with HDD 16ea)

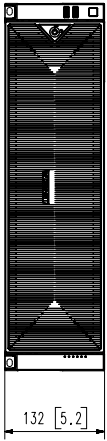
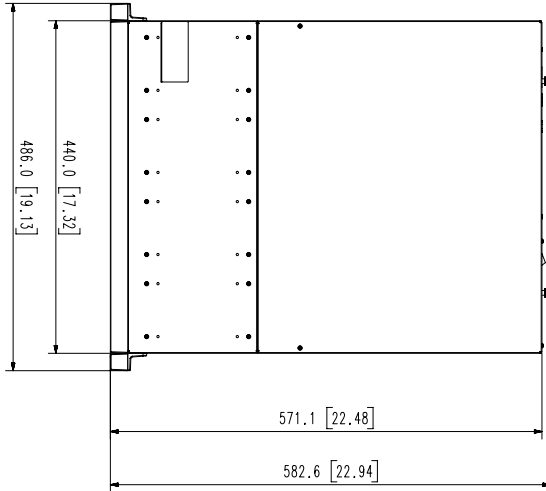
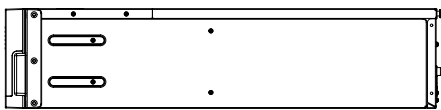
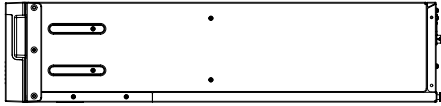
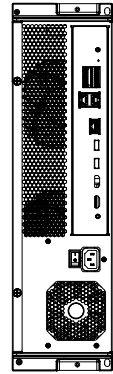
Mechanical

Color / Material	Black / Metal
Dimension (WxHxD)	440.0 x 132.0 x 571.1mm
Weight	Approximately 13.4Kg (29.6 lb, without HDDs)

Intelligent Analysis

AI Search	Object Attribute	Available with compatible for Wisenet AI Camera
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- The latest product information / specification can be found at hanwhasecurity.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of **Hanwha Techwin**, formerly known as Samsung Techwin.



Appearance Drawing
 PRN-6410B4, PRN-3210B4, XRN-6410B4, XRN-3210B4
 Unit : mm[inches]