



# XRN-3210B4

32CH 32MP NVR



## 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

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## Specifications

### Display

Network camera	<b>Inputs</b>	Max. 32CH
	<b>Resolution</b>	32MP ~ CIF
	<b>Protocols</b>	SUNAPI, ONVIF
Decoding	<b>Local Display</b>	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
	<b>Multi Screen Display</b>	[Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 36 Division - Expand Mode : HDMI1 up to 36 Div. HDMI2 up to 16 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	<b>Resolution</b>	32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(120fps), 1080p(480fps), 720P(960fps), D1(1920fps)

### Performance

Operating System	Embedded	Linux
Record	<b>Compression</b>	H.265, H.264, MJPEG
	<b>Recording Bandwidth</b>	Distributed mode : Up to 400 Mbps Normal mode : Up to 150 Mbps {RAID mode} Normal : Up to 400 Mbps Degradе/ Rebuild : Up to 320 Mbps
	<b>Resolution</b>	32MP ~ CIF
	<b>Mode</b>	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	<b>Event Trigger</b>	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event
	<b>Event Action</b>	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown
Search & Play	<b>Playback Bandwidth</b>	RAID Mode : Max. 64Mbps(32CH simultaneously) Non-RAID Mode : Max. 32Mbps
	<b>User</b>	Max. 4 Users (Local 1, Remote 3)
	<b>Simultaneous playback</b>	Max. 80CH(Local 32CH, Remote 16CH per user)
	<b>Fisheye Dewarping</b>	Support (Local 1CH), CMS
	<b>Mode</b>	Date & Time(Calendar), Event list, Text Search, Smart Search
	<b>Resolution</b>	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
	<b>Playback Control</b>	Fast/Slow Forward / Backward, Move one step Up / Down
Storage	<b>Supported HDD</b>	Up to 10TB
	<b>HDD Slot</b>	SATA 16ea(Max. 160TB, Non-RAID mode)
	<b>External</b>	iSCSI storage
	<b>RAID</b>	RAID-5/6(Array Size : 8 HDDs x 2 Array)
Backup	<b>File backup</b>	BU/Exe/AVI(GUI), JPG/AVI(Network)
	<b>Function</b>	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	GUI 32 CH(network)

	<b>Web</b>	G.711, G.726, AAC(16/48KHz)
	<b>Audio Communication</b>	2-Way
<b>Max Remote Users</b>		Search(3), Live Unicast(10), Multicast(20)
<b>Security</b>		IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware
<b>Web viewer</b>	<b>Supported OS</b>	Windows 10, macOS 10.13
	<b>Supported browser</b>	Google Chrome, Microsoft Edge, Mac Safari
<b>Viewer Software</b>		SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS

## Functions

<b>Camera Setup</b>	<b>Register</b>	Auto, Manual
	<b>Item</b>	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
<b>PTZ</b>	<b>Control</b>	Via GUI, Webviewer, SPC-2000
	<b>Preset</b>	300 Presets
<b>Smart phone</b>	<b>Support Model</b>	iOS, Android
	<b>Protocol Support</b>	RTP, RTSP, HTTP, CGI(SUNAPI)
	<b>Control</b>	Live 16CH(Multi-Profile Support), Playback 4CH
	<b>Max. Remote Users</b>	Search(3), Live Unicast(10)
<b>Redundancy</b>	<b>Failover</b>	N+1
	<b>ARB</b>	Support
<b>Easy configuration</b>		P2P(QR code)

## Interface

<b>Front</b>	<b>Indicator</b>	HDD, Alarm, Power, Record, Backup, Network, RAID
<b>Storage</b>		OK
<b>Reset</b>		Power button
<b>HDD Key Lock</b>		OK
<b>HDMI</b>		2EA ( Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz
<b>Audio</b>		Out 1EA (3.5mm Audio Jack)
<b>Ethernet</b>		RJ-45 3EA (LAN/WAN, 1Gbps)
<b>Alarm</b>		In 8EA, Out 4EA
<b>USB</b>		4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0)
<b>Power inlet</b>		AC 1EA

## System

<b>Log</b>	<b>Log List</b>	Max. 100,000 (System Log, Event Log each)
<b>System Control</b>		Mouse, Keyboard, Web, Controller (SPC-2000)
<b>Language</b>		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

<b>Operating Temperature</b>	0°C to +40°C(32°F to 104°F)
<b>Operating Humidity</b>	20% ~ 85% RH

## Electrical

<b>Power Input</b>	100 ~ 240 VAC ±10%; 50/60 Hz, 2.7A (Single SMPS)
<b>Power Consumption</b>	Max. 265W (904.2 BTU with HDD 16ea)

## Mechanical

<b>Color / Material</b>	Black / Metal
<b>Dimension (WxHxD)</b>	440.0 x 132.0 x 571.1mm

<b>Weight</b>	Approx. 13.4Kg(29.6 lb, HDD not included)
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**Intelligent Analysis**

<b>AI Search</b>	<b>Object Attribute</b>	Compatible for Wisenet AI Camera
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CAD

Unit: mm [inch]

This parts should not contain any substances which are specified in JMO-0095X

