



# XRN-3210B2

32CH NVR

FC |  | CE | EAC

## 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 8ea (Up to 80TB)

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## Specifications

### 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/ 2H/ 2V/ 3V/ 4/ 6/ 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	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)
Storage	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
	Supported HDD	Up to 10TB
	HDD Slot	SATA 8ea(Max. 80TB)
Backup	External	iSCSI storage
	File backup	BU/Exe(GUI), JPG/AVI(Network)
Function	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	GUI	32 CH(network)
	Web	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

<b>Viewer Software</b>	WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS
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### 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, SSNR, 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
<b>Storage</b>	OK	
<b>Reset</b>	OK	
<b>HDD Key Lock</b>	OK	
<b>HDMI</b>	2EA ( Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz	
<b>Audio</b>	Out 1EA	
<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, Web, Controller (SPC-2000)	
<b>Language</b>	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

<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, 1.5A (Single SMPS)
<b>Power Consumption</b>	Max. 138W (with 10TB HDD 8EA)

### Mechanical

<b>Color / Material</b>	Black / Metal
<b>Dimension (WxHxD)</b>	438 x 86 x 434.9 mm
<b>Weight</b>	7.5Kg (16.5 lb, Except HDD)

### 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 AH60-0033K

