

XRN-3210RB2

32CH 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 8ea (Up to 80TB, Non-RAID mode)
- RAID 5/6 support

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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] - Dynamic layout, Virtual channel view - Clone Mode : Up to 64 Division - Expand Mode : HDMI1 up to 32 Div. HDMI2 up to 16 Div. [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(1920fps)

Performance

Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Distributed mode : Up to 400 Mbps Normal mode : Up to 150 Mbps [RAID mode] Normal : Up to 400 Mbps Degrade/ Rebuild : Up to 320 Mbps
	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, User Event
	Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown

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Performance

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	Support (Local 1CH), 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 8ea(Max. 80TB, Non-RAID mode), Hot swap
	External	iSCSI storage
	RAID	RAID-5/6(Single, 1 Array)
Backup	File backup	BU/Exe/AVI(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	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		WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS

Function

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, SSDR, DIS),, Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer, SPC-2000
	Preset	300 Presets

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Function

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, RAID
Storage		OK
Reset		OK
HDD Keylock		OK
HDMI		2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz
Audio		Out 1EA (3.5mm Audio Jack)
Ethernet		RJ-45 3EA (LAN/WAN, 1Gbps)
Alarm		In 8EA, Out 4EA
USB		4EA(Front 2 x USB2.0 + 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, Keyboard, Web, Controller (SPC-2000)
Language		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

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

Electrical

Power Input	100 ~ 240 VAC ±10%; 50/60Hz, 2.7A(Single SMPS)
Power Consumption	Max. 160W(with 10TB HDD 8EA)

Mechanical

Color / Material	Black / Metal
Dimension	438.0 x 86.0 x 434.9 mm (17.47 x 3.39 x 17.12 inch)
Weight	9.1Kg(20.1lb, Except HDD)

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Intelligent Analysis

AI Search	Object Attribute	Compatible with Hanwha AI Cameras

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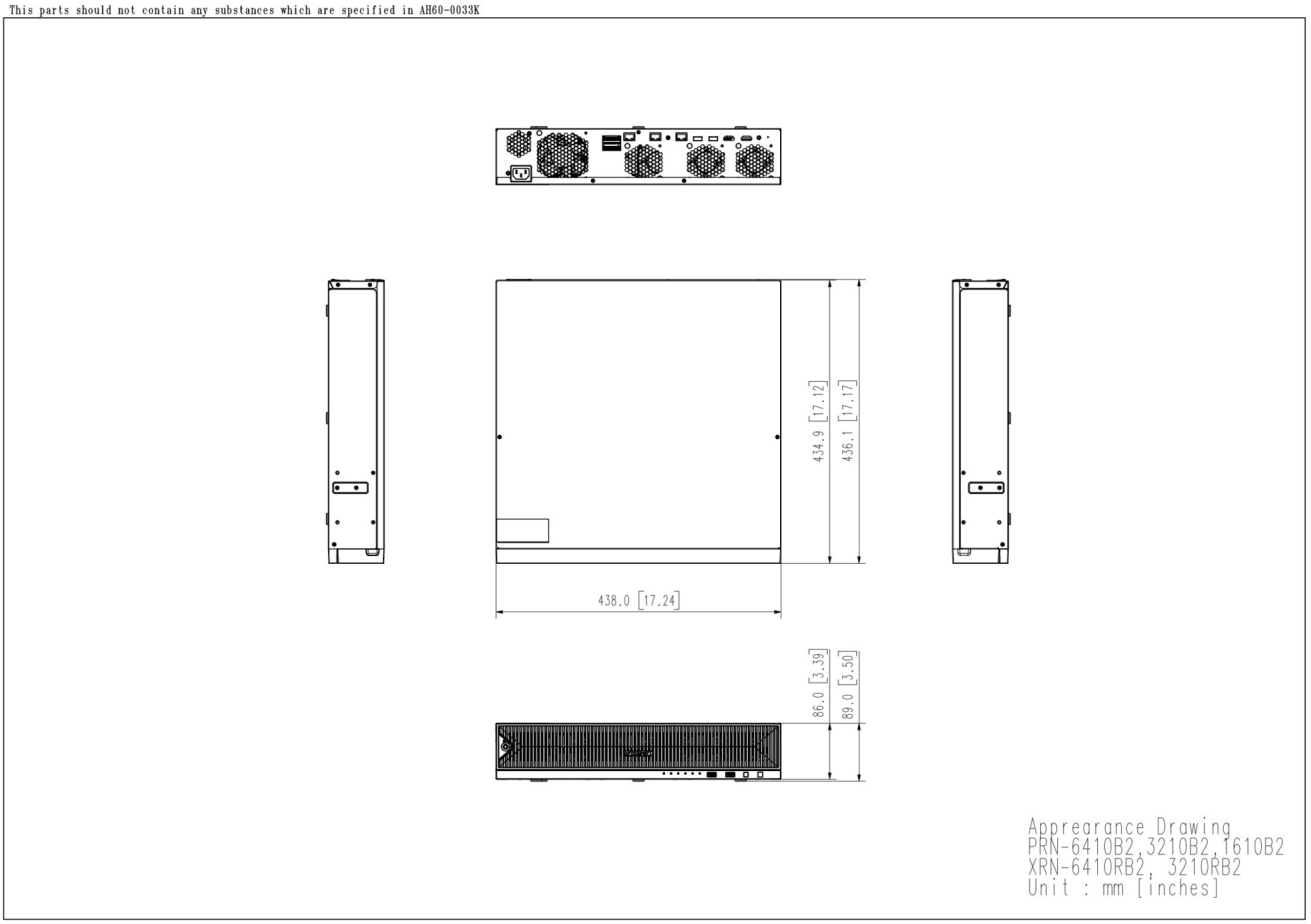
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CAD

Unit: mm [inch]



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