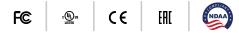




XRN-3210B4

32CH 32MP NVR



Key Features

- Up to 32CH, 32MP Resolution
- Max. 400Mbps network camera recording
- HDMI out
- User friendly UI / UX
- Al search support when working with Wisenet Al 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



XRN-3210B4

32CH 32MP NVR



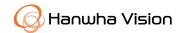




Specifications

Display		
	Inputs	Max. 32CH
Network camera	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
operating system	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
5	Resolution	32MP ~ CIF
Record	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
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 16ea(Max. 160TB, Non-RAID mode), Hot swap
	External	iSCSI storage
	RAID	RAID-5/6(Array Size: 8 HDDs x 2 Array)

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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		
	GUI	32 CH(network)	
Audio	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		
Wah viowar	Supported OS	Windows 10, macOS 10.13	
Web viewer	Supported browser	Google Chrome, Microsoft Edge, Mac Safari	
Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS		
Functions			
Camera Setup	Register	Auto, Manual	
	ltem	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	
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	ОК		
Reset	Power button		
HDD Key Lock	ОК		
НДМІ	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 USB 2.0, Rear 2 x USB 3.0)		
* * =			

System

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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	$100 \sim 240 \text{ VAC} \pm 10\%$; 50/60 Hz, 2.7A (Single SMPS)		
Power Consumption	Max. 265W (904.2 BTU with HDD 16ea)		
Mechanical			
Color / 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			
Al Search	Object Attribute	Compatible for Wisenet AI Camera	