



XRN-3220B4

32CH NVR with 12th gen. Intel® Processor



Key Features

- 32CH, 32MP resolution
- SATA 16 HDD Bays (up to 160TB)
- Up to 520Mbps recording / transmission bandwidth
- Easy Channel/Event/Alarm configuration
- Virtual Channel View
- Dynamic layout
- Built-in Support for Web Management (up to 100)
- Compatible with Wisenet Viewer, Wisenet mobile
- NDAA compliant and TPM integrated
- Manual event support

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Specifications

Display		
Telecamera di rete	Ingressi	Max. 32CH
	Risoluzione	32MP ~ CIF
	Protocolli	SUNAPI, ONVIF
Decodifica	Display locale	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
	Display multischermo	[Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 32 Division - Expand Mode : HDMI1 up to 32 Div. HDMI2 up to 16 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	Risoluzione	32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(48ch@30fps)
Performance		
Sistema operativo	Integrato	Linux
Registrazione	Compressione	H.265, H.264, MJPEG
	Larghezza di banda di registrazione	Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps [RAID mode] Normal : Up to 520 Mbps Degradate/ Rebuild : Up to 520 Mbps
	Risoluzione	32MP ~ CIF
	Modalità	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	Attivazione evento	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event
	Azione evento	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown
Cerca e Riproduci	Larghezza di banda di riproduzione	Up to 200Mbps(32CH simultaneously)
	Utente	Max. 4 Users (Local 1, Remote 3)
	Riproduzione simultanea	Max. 80CH(Local 32CH, Remote 16CH per user)
	Dewarping Fisheye	Support (Local 1CH), CMS
	Modalità	Time/Event/Text/ARB/Bookmark/Smart search
	Risoluzione	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
	Controllo riproduzione	Fast/Slow Forward / Backward, Move one step Up / Down

Performance

Archiviazione	HDD supportato	Up to 10TB
	Slot HDD	SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap
	Esterna	iSCSI storage
	RAID	RAID-5/6(Array Size : 8 HDDs x 2 Array)
Backup	Backup dei file	Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)
	Funzione	Multi channel(Up to 16CH) Play, Date-Time/Title display

Rete

Protocollo		IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)
DDNS		Hanwha DDNS
Larghezza di banda di trasmissione		Max. 520Mbps
Audio	Ingresso/Uscita	32 CH(network)
	Compressione	G.711, G.726, AAC(16/48KHz)
	Comunicazione audio	2-Way
Numero max. utenti da remoto		Search(3), Live Unicast(10), Multicast(20)
Sicurezza		IP address filtering, User access Log, 802.1x, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support
Visualizzatore web	Sistema operativo supportato	Windows10 or higher, macOS 13.5.2 or higher
	Browser supportato	Google Chrome, Microsoft Edge, Mac Safari
Software di visualizzazione		WAVE, SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS

Funzione

Configurazione telecamera	Registro	Auto, Manual
	Articolo	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, SDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Controllo	Via GUI, Webviewer, SPC-2000/2001
	Preimpostato	300 Presets
Smartphone	Modello supporto	iOS, Android
	Supporto del protocollo	RTP, RTSP, HTTP, CGI(SUNAPI)
	Controllo	Live 16CH(Multi-Profile Support), Playback 4CH
	Max. Utenti da remoto	Search(3), Live Unicast(10)
Ridondanza	Failover	N+1
	ARB	Support
Configurazione semplice		P2P(QR code)

Interfaccia

Anteriore	Indicatore	HDD, Alarm, Power, Record, Backup, Network, RAID
Archiviazione		Yes
Reset		Power button
Blocco a chiave HDD		Yes
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)
Allarme		In 8EA, Out 4EA
USB		4EA(Front 2 x USB2.0 + Rear 2 x USB 3.0)
Ingresso alimentazione		AC 1EA

Sistema

Registro	Elenco registro	Max. 100,000 (System Log, Event Log each)
Controllo del sistema		Mouse(include wireless), Keyboard(include wireless), Web, Controller (SPC-2000/2001)
Lingua		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese

Certificazioni

Temperatura di esercizio	0°C to +40°C(32°F to 104°F)
Umidità di esercizio	20% ~ 85% RH

Elettrico

Ingresso alimentazione	100 ~ 240 VAC ±10%; 50/60Hz, 2.7A(Single SMPS)
Consumo energetico	Max. 265W(904.2 BTU with HDD 16ea)

Meccanico

Colore / Materiale	Black / Metal
Dimensioni	440.0 x 132.0 x 571.1 mm (17.32 x 5.20 x 22.48 inch)
Peso	Approx. 14Kg(30.9lb, HDD not included)

Analisi intelligente

Ricerca IA	Attributo oggetto	Compatible with Hanwha AI Cameras
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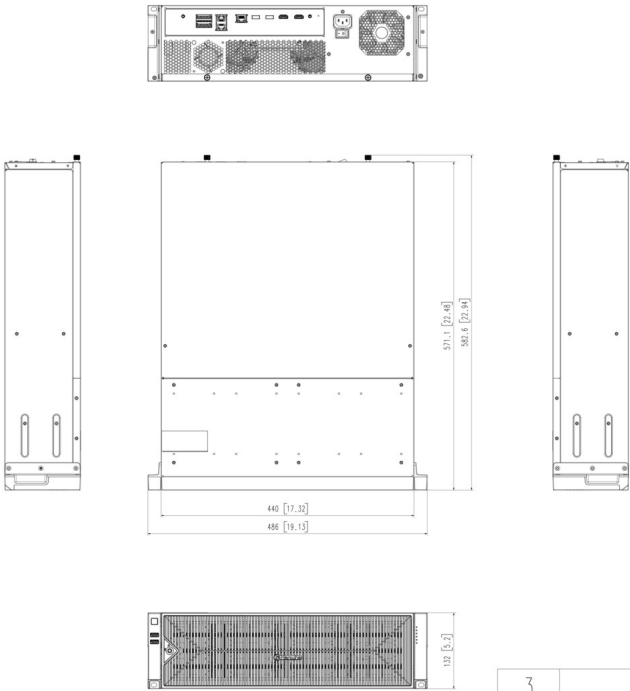
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CAD

Unit: mm [inch]



3	MODEL 2	
2	XRN-3220B4	'23.08.22
1	XRN-6420B4	'23.08.22
No.	MODEL NAME	DATE
Unit:mm[inch] SCALE:1/2		 Hanwha Vision

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