



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

Visualización

Cámara IP	Entradas	Max. 32CH
	Resolución	32MP ~ CIF
	Protocolos	SUNAPI, ONVIF
Decodificación	Pantalla local	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
	Visualización en multipantalla	[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
	Resolución	32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(48ch@30fps)

Rendimiento

Sistema Operativo	Integrado	Linux
Grabación	Compresión	H.265, H.264, MJPEG
	Ancho de banda de grabación	Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps [RAID mode] Normal : Up to 520 Mbps Degraded/ Rebuild : Up to 520 Mbps
	Resolución	32MP ~ CIF
	Modo	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	Activador de eventos	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event
	Acción de evento	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown
Búsqueda y reproducción	Ancho de banda de reproducción	Up to 200Mbps(32CH simultaneously)
	Usuario	Max. 4 Users (Local 1, Remote 3)
	Reproducción simultánea	Max. 80CH(Local 32CH, Remote 16CH per user)
	Corrección esférica ojo de pez	Support (Local 1CH), CMS
	Modo	Time/Event/Text/ARB/Bookmark/Smart search
	Resolución	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
	Control de reproducción	Fast/Slow Forward / Backward, Move one step Up / Down

Rendimiento

Almacenamiento	Discos duros compatibles	Up to 10TB
	Ranura de disco duro	SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap
	Externo	iSCSI storage
	RAID	RAID-5/6(Array Size : 8 HDDs x 2 Array)
Respaldo	Respaldo de archivos	Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)
	Función	Multi channel(Up to 16CH) Play, Date-Time/Title display

Red

Protocolo	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	
Ancho de banda de transmisión	Max. 520Mbps	
Audio	Entrada / salida	32 CH(network)
	Compresión	G.711, G.726, AAC(16/48KHz)
	Comunicación por audio	2-Way
Usuarios remotos máx.	Search(3), Live Unicast(10), Multicast(20)	
Seguridad	IP address filtering, User access Log, 802.1x, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support	
Visor web	S.O. compatibles	Windows10 or higher, macOS 13.5.2 or higher
	Navegadores compatibles	Google Chrome, Microsoft Edge, Mac Safari
Software de visualización	WAVE, SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

Función

Configuración de la cámara	Registro	Auto, Manual
	Elemento	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, SDDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer, SPC-2000/2001
	Preset	300 Presets
Smartphone	Modelos compatibles	iOS, Android
	Protocolos compatibles	RTP, RTSP, HTTP, CGI(SUNAPI)
	Control	Live 16CH(Multi-Profile Support), Playback 4CH
	Máx. Usuarios remotos	Search(3), Live Unicast(10)
Redundancia	Recuperación de fallos	N+1
	ARB	Support
Configuración sencilla	P2P(QR code)	

Interfaz

Frontal	Indicador	HDD, Alarm, Power, Record, Backup, Network, RAID
Almacenamiento		Yes
Reinicio		Power button
Disco duro con cerrojo		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)
Alarma		In 8EA, Out 4EA
USB		4EA(Front 2 x USB2.0 + Rear 2 x USB 3.0)
Entrada alimentación		AC 1EA

Sistema

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

Medioambiental

Temperatura de funcionamiento		0°C to +40°C(32°F to 104°F)
Humedad de funcionamiento		20% ~ 85% RH

Eléctrico

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

Mecánico

Color / Material		Black / Metal
Dimensiones		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)

Análisis inteligente

Búsqueda Inteligencia Artificial	Atributo de objeto	Compatible with Hanwha AI Cameras
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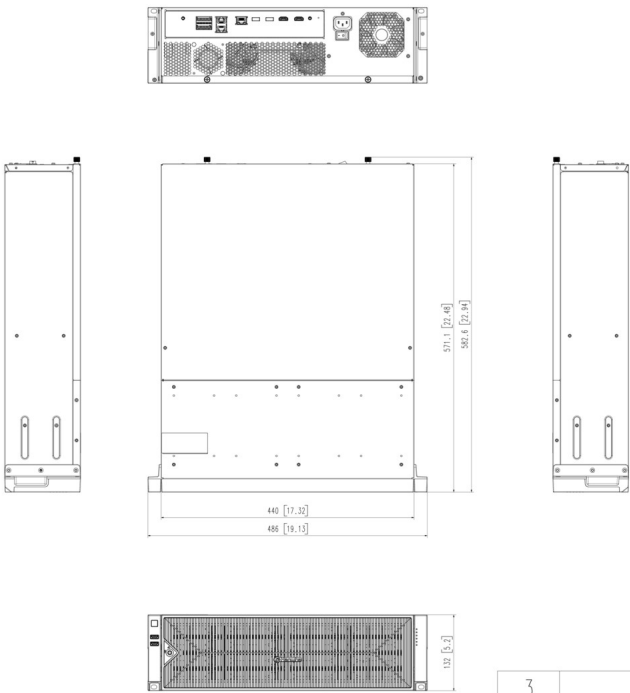
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CAD

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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