



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

Ekran

Ağ kamerası	Girişler	Max. 32CH
	Çözünürlük	32MP ~ CIF
	Protokoller	SUNAPI, ONVIF
Kod çözme	Yerel Ekran	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
	Çoklu Ekran	[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
	Çözünürlük	32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(48ch@30fps)

Performans

İşletim Sistemi	Tümleşik	Linux
Kayıt	Sıkıştırma	H.265, H.264, MJPEG
	Kayıt Bant Genişliği	Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps [RAID mode] Normal : Up to 520 Mbps Degrade/ Rebuild : Up to 520 Mbps
	Çözünürlük	32MP ~ CIF
	Mod	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	Olay Tetikleyici	Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event
	Olay Eylemi	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown
Ara ve Oynat	Oynatma Bant Genişliği	Up to 200Mbps(32CH simultaneously)
	Kullanıcı	Max. 4 Users (Local 1, Remote 3)
	Eşzamanlı oynatma	Max. 80CH(Local 32CH, Remote 16CH per user)
	Balıkgözü Çarpıklık Giderme	Support (Local 1CH), CMS
	Mod	Time/Event/Text/ARB/Bookmark/Smart search
	Çözünürlük	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
	Oynatma Denetimi	Fast/Slow Forward / Backward, Move one step Up / Down

Performans

Depolama	Desteklenen HDD	Up to 10TB
	HDD Yuvası	SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap
	Harici	iSCSI storage
	RAID	RAID-5/6(Array Size : 8 HDDs x 2 Array)
Yedekleme	Dosya yedekleme	Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)
	İşlev	Multi channel(Up to 16CH) Play, Date-Time/Title display

Ağ

Protokol	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	
İletim Bant Genişliği	Max. 520Mbps	
Ses	Giriş / Çıkış	32 CH(network)
	Sıkıştırma	G.711, G.726, AAC(16/48KHz)
	Sesli İletişim	2-Way
En Fazla Uzak Kullanıcı	Search(3), Live Unicast(10), Multicast(20)	
Güvenlik	IP address filtering, User access Log, 802.1x, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support	
Web görüntüleyici	Desteklenen İS	Windows10 or higher, macOS 13.5.2 or higher
	Desteklenen tarayıcı	Google Chrome, Microsoft Edge, Mac Safari
Görüntüleyici Yazılımı	WAVE, SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

İşlev

Kamera Ayarı	Kayıt	Auto, Manual
	Öğe	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	Kontrol	Via GUI, Webviewer, SPC-2000/2001
	Önayar	300 Presets
Akıllı telefon	Destek Modeli	iOS, Android
	Protokol Desteği	RTP, RTSP, HTTP, CGI(SUNAPI)
	Kontrol	Live 16CH(Multi-Profile Support), Playback 4CH
	En Fazla Uzak Kullanıcı	Search(3), Live Unicast(10)
Yedeklilik	Devir	N+1
	ARB	Support
Kolay yapılandırma	P2P(QR code)	

Arayüz

Ön	Gösterge	HDD, Alarm, Power, Record, Backup, Network, RAID
Depolama		Yes
Sıfırlama		Power button
HDD Kilidi		Yes
HDMI		2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz
Ses		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)
Güç girişi		AC 1EA

Sistem

Günlük	Günlük Listesi	Max. 100,000 (System Log, Event Log each)
Sistem Denetimi		Mouse(include wireless), Keyboard(include wireless), Web, Controller (SPC-2000/2001)
Dil		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese

Çevresel

Çalışma Sıcaklığı		0°C to +40°C(32°F to 104°F)
Çalışma Nemliliği		20% ~ 85% RH

Elektriksel

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

Mekanik

Renk/Malzeme		Black / Metal
Boyut		440.0 x 132.0 x 571.1 mm (17.32 x 5.20 x 22.48 inch)
Ağırlık		Approx. 14Kg(30.9lb, HDD not included)

Akıllı Analiz

YZ Araması	Nesne Özniteliği	Compatible with Hanwha AI Cameras
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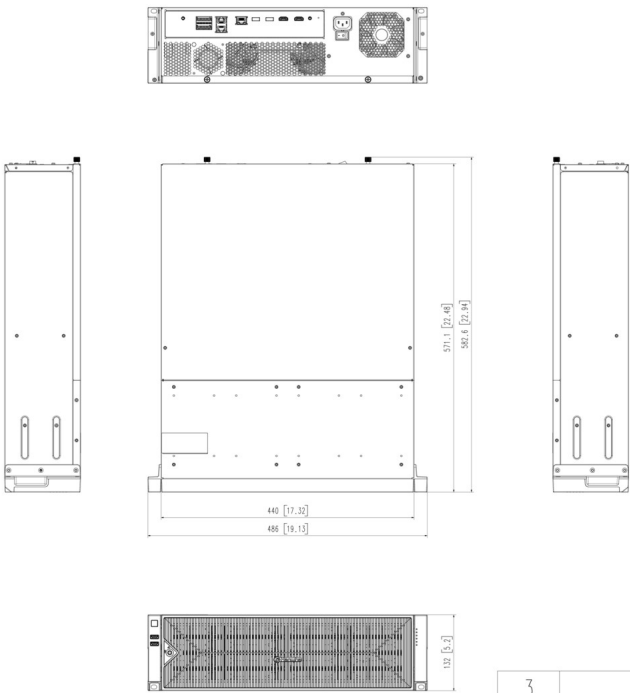
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CAD

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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