



XRN-3220B2

32CH NVR with 12th gen. Intel® Processor











Key Features

- 32CH, 32MP resolution
- SATA 8 HDD Bays (up to 80TB)
- 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



XRN-3220B2

32CH NVR with 12th gen. Intel® Processor

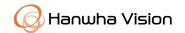


Specifications

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(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(48ch@30fps)
Performance		
Operating System	Embedded	Linux
Operating System	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps
	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	Up to 200Mbps(32CH simultaneously)
	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	Time/ Event/ Text/ ARB/ Bookmark/ 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)
	External	iSCSI storage
Backup	File backup	Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)
	Function	Multi channel (Up to 16CH) Play, Date-Time/Title display

Network

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com. Hanwha Vision is formerly known as Hanwha Techwin.



Protocol		P), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMT HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)		
DDNS	Hanwha DDNS	Hanwha DDNS		
Transmission Bandwidth	Max. 520Mbps			
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, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support			
Web viewer	Supported OS	Windows10 or higher, macOS 13.5.2 or higher		
	Supported browser	Google Chrome, Microsoft Edge, Mac Safari		
Viewer Software	SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS			
Functions				
	Register	Auto, Manual		
Camera Setup	ltem	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contras Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage		
DT7	Control	Via GUI, Webviewer, SPC-2000/2001		
PTZ	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	Yes			
Reset	Power button			
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 USB 2.0, Rear 2 x USE	3 3.0)		
Power inlet	AC 1EA			
System				
Log	Log List	Max. 100,000 (System Log, Event Log each)		
System Control	Mouse(include wireless), Keyboard	(include wireless), Web, Controller (SPC-2000/2001)		
Language		anish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish garian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Th		

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com. Hanwha Vision is formerly known as Hanwha Techwin.





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, 1.5A		
Power Consumption	Max. 143W (488BTU with HDD 8ea)		
Mechanical			
Color / Material	Black / Metal		
Dimension (WxHxD)	438 x 86 x 434.9 mm		
Weight	7.3Kg (16.1lb, Except HDD)		
Intelligent Analysis			
Al Search	Object Attribute	Compatible with Hanwha Al Cameras	



XRN-3220B2

32CH NVR with 12th gen. Intel® Processor



CAD Unit:mm [inch]

