



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		
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)
Intelligent Analysis		
Al Search	Object Attribute	Compatible with Hanwha Al Cameras
Performance		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
Record	Recording Bandwidth	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
	Resolution	32MP ~ CIF
	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
	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)
Search & Play	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
External ISCSI storage RAID RAID-S/6/Array Size : 8 HDDs x 2 Array)		• •	<u>'</u>
RAID RAID-5/6/Array Size: 8 HDDs x 2 Array)	Storage		
File backup			
Panderson Multi channel (Up to 16CH) Play, Date-Time/Title displication Multi channel (Up to 16CH) Play, Date-Time/Title displication Multi channel (Up to 16CH) Play, Date-Time/Title displication Protocol IPA4, IPA6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMI (CAP), ISAB, PAR, CNS, DONS, UPAP, HTTPS, SNMP, ONVIF (Profile-S), SUNAP/Server, Client) Max. S20Mbps Input/Output 32 CH(network)	Backup		
Network Protocol IPP4, IPP6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMI ICMP (AMP, ARP, DNS, DDNS, UPP), HTTPS, SNMP, ONVIF (Profile S), SUNAP/(Server, Client) DDNS Hannwha DDNS Input/Output 32 CH(network) Input/Output 32 CH(network) Audio Commension G,711, G,726, AAC(16/48KHz) Audio Commension 2-Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) IP address filtering User access Log, 802, 1x, TLS, Encryption Device certificate(Hannwha Techwin Root CA), Signed firmware, TPM support Supported OS Windows10 or higher, macOS 13.5, 2 or higher Supported OS Windows10 or higher, macOS 13.5, 2 or higher Supported OS Windows10 or higher, macOS 13.5, 2 or higher Support (SISUNAP) for integration to 3'rd party VMS Functions Register Auto, Manual P address, Add profile edit, Bitrate, Compression, GOP Quality, Camera Mose Setup (Simple Fotos, Brightness/Contras FlipMirror, IRIS, VMD, BMS, SSN, Estuter, SSN, D, RISS, Fisherye Dewarping Mode, Hallway View Setup, Camera Webspage PTZ Control Preset Support Model IOS, Android Protocol Support RTP, RTSP, HTTP, CG(ISUNAPP) Control Live 16CH[Multi-Profile Support), Playback 4CH Max. Remote Users Search(3), Live Unicast(10) Max. Remote Users Redundancy ABB Support Redundancy ABB Support Redundancy P2P(QR code) Interface Finch Indicator Indicator Finch Finch P2P(QR code) THE MISS BACK_2500 30Hz HDMI 1: \$3406_2500 30Hz HDMI 1: HDMI 1: \$3406_2500 30Hz HDMI 1:			
Protocol IP-4, IP-4, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client). SMI (IMP, ISMP, ARP, NS, DDNS, UPRP, HTTPS, SMMP, ONNIF [Profile-S), SUNAP(IServer, Client). SMI (IMP, ISMP, ARP, NS, DDNS, UPRP, HTTPS, SMMP, ONNIF [Profile-S), SUNAP(IServer, Client). SMI (IMP, ISMP) Audio Imput/Output		i direttori	material mercop to 10em, may, bate mine, mae displa
IcMP, IGMP, RAPP, DNS, DDNS, UPNP, HTTPS, SMMP, ONVIF (Profile-S), SUNAPI(Server, Client) DDNS	Network		
Transmission Bandwidth Max. 520Mbps Input/Output 32 CH(network) Audio Compression G.711, G.726, AAC(16/48KH2) Audio Communication 2-Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) Paddress filtering, User access Log, 802.1x, T.S. Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support Web viewer Supported OS Windows10 or higher, mac05 13.5.2 or higher Supported browser Google Chrome, Microsoft Edge, Mac Safari Wiewer Software SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS Functions Register Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Camera Viewer, Wisenet Viewer, Wisenet Viewer, Wisenet Viewer, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Functions Register Auto, Manual Paddress, Add profile edi	Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMT ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)	
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	DDNS	Hanwha DDNS	
Audio Compression G.711.G.726.AACC16/48KHz) Audio Communication 2-Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) Security IP address filtering Lyer access Log, 802.1x, TLS. Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support Supported OS Windows:10 or higher, macOS 13.5.2 or higher Supported browser Google Chrome, Microsoft Edge, Mac Safari Viewer Software SM, Webviewer, Wisenet Viewer, Wisenet mobile Support CG(ISUNAPI) for integration to 3'rd party VMS Functions Register Auto, Manual Item Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4.8 point polygon) Camera Setup Item Control Viewer, Wisenet Viewer, Wisenet Viewer, Wisenet mobile Support CG(ISUNAPI) for integration to 3'rd party VMS Functions Camera Setup Item Control Viewer, Wisenet mobile Support Gode, Hallway View Methylogen, Camera Viewer, Sept. Closs, Brightness/Contras Figh/Mirror, Risk, WDR, DAB, SASIK, SUPR, DAB, SUPR, SUPR, SUPR, DAB, SUPR, SUPR, SUPR, SUPR, SUPR, DAB, SUPR, SUPR	Transmission Bandwidth	Max. 520Mbps	
Audio Communication 2-Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) Paddress filtering, User access Log, 802.1x, TLS. Encryption Device certificate(Hanwha Technin Root CA), Signed firmware, TPM support Supported OS Windows10 or higher, macOS 13.5.2 or higher Supported OS Windows10 or higher, macOS 13.5.2 or higher Supported SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CG(ISUNAPI) for integration to 3 rd party VMS Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera Mos Setup (1, 4, 5 point polygon) Camera Setup Register Auto, Manual Item Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera Mos Setup (1, 4, 5 point polygon) Camera Viewer Special Profile Sp		Input/Output	32 CH(network)
Search(3), Live Unicast(10), Multicast(20)	Audio	Compression	G.711, G.726, AAC(16/48KHz)
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Device certificate (Hanwha Techwin Root CA). Signed firmware, TPM support 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 PP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera Setup Item Control Via GUI, Webviewer, SPC-2000/2001 Preset 300 Presets 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 ARB Support Easy configuration P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes Let (1) Playback/Setup → HDM(1) HDM(1: 19340/2140) GOT2 Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 16bps)	Max Remote Users	Search(3), Live Unicast(10), Multicas	t(20)
Supported browser Google Chrome, Microsoft Edge, Mac Safari	Security	IP address filtering. User access Log, Device certificate(Hanwha Techwin I	802.1x, TLS, Encryption Root CA), Signed firmware, TPM support
Supported browser SM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS Functions Register Auto, Manual Item Register Auto, Manual Item Register Auto, Manual Item Producing ST, Camera MD setup (4, 8 point polygon) Camera video setup (5 mple focus, Brightness/Contras Flip/Mirror, IRIS, WBN, D&N, SSNR, Shuter, SSDR, Cish, Sprisheye Dewarping Mode, Hallway View Setup, Camera Webpage Control Via GUI, Webviewer, SPC-2000/2001 Preset Support Model Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI) Control Live 16CH(Multi-Profile Support), Playback 4CH Max. Remote Users Search(3), Live Unicast(10) Redundancy Redundancy Failover N+1 ARB Support Interface Front Indicator P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDDM Key Lock Yes LEA (Playback/Setup → HDMI1) HDMI: 1920x10808 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Web viewer	Supported OS	Windows10 or higher, macOS 13.5.2 or higher
Support CGI(SUNAPI) for integration to 3'rd party VMS Functions Register Auto, Manual IP address, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (Simple focus, Brightness/Contras Filip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage PTZ Control Preset Support Model Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI) Control Live 16CH(Multi-Profile Support), Playback 4CH Max. Remote Users Search(3), Live Unicast(10) ARB Support Support Interface Front Indicator N+1 ARB Support Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes Live 1340 Alarm, Power, Record, Backup, Network, RAID ARB Live 1450 Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDMI: 3840x2160 30Hz HDMI: 3840x2160 30Hz HDMI: 1940x1808 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 16bps)		Supported browser	Google Chrome, Microsoft Edge, Mac Safari
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Camera Setup Register Auto, Manual Ire address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Comera vides tup (4, 8 point polygon) Camera vides tup (4, 8 point polygon) Cemera vides tup (5) pile focus. Brightness/Contras Flip/Miror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage PTZ Preset 300 Presets 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 HDM Key Lock Yes HDMI 2EA (Playback/Setup → HDMI1) HDMI1; 3840x2160 30Hz HDMI2; 1920x1080 60Hz HDMI 21 (1AN/WAN, 1Gbps)			
Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera ND setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contras Flip/Mirror, IRIS, WDR, D8.N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage Preset 300 Presets	Functions		
Camera Setup Item Quality, Camera in Video setup (Simple focus, Brightness/Contras Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage PTZ Control Via GUI, Webviewer, SPC-2000/2001 Preset 300 Presets 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 Protocol HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes HDM Key Lock Yes HDM HDM1: 3840x2160 30Hz HDM11) HDM12: 1920x1080 60Hz HDM12: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)		Register	
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Preset300 PresetsSupport ModeliOS, AndroidProtocol SupportRTP, RTSP, HTTP, CGI(SUNAPI)ControlLive 16CH(Multi-Profile Support), Playback 4CHMax. Remote UsersSearch(3), Live Unicast(10)RedundancyFailoverN+1ARBSupportEasy configurationP2P(QR code)InterfaceFrontIndicatorHDD, Alarm, Power, Record, Backup, Network, RAIDStorageYesResetPower buttonHDD Key LockYesHDMI2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60HzAudioOut 1EA (3.5mm Audio Jack)EthernetRJ-45 3EA (LAN/WAN, 1Gbps)		Control	Via GUI, Webviewer, SPC-2000/2001
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 HDD Key Lock Yes HDMI : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH N+1 HDM Support RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH N+1 HDM Support Failover N+1 HDM, Alarm, Power, Record, Backup, Network, RAID HDM, Alarm, Power, Record, Backup, Network, RAID HDM Support Failover N+1 ARB Support HDM Support	PIZ	Preset	300 Presets
Smart phone 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 HDD Key Lock 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)			
Control Max. Remote Users Search(3), Live Unicast(10) 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 HDD Key Lock Yes HDMI HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)		Support Model	iOS, Android
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 HDD Key Lock Yes HDMI 2EA (Playback/Setup → HDMI1) HDMI: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)		* *	
ARB Support Easy configuration P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes 2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Smart phone	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
ARB Support Easy configuration P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock 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)	Smart phone	Protocol Support Control	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH
Easy configuration P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Smart phone	Protocol Support Control Max. Remote Users	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10)
Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock 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)		Protocol Support Control Max. Remote Users Failover	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1
StorageYesResetPower buttonHDD Key LockYesHDMI2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60HzAudioOut 1EA (3.5mm Audio Jack)EthernetRJ-45 3EA (LAN/WAN, 1Gbps)	Redundancy	Protocol Support Control Max. Remote Users Failover ARB	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1
StorageYesResetPower buttonHDD Key LockYesHDMI2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60HzAudioOut 1EA (3.5mm Audio Jack)EthernetRJ-45 3EA (LAN/WAN, 1Gbps)	Redundancy Easy configuration	Protocol Support Control Max. Remote Users Failover ARB	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1
Reset Power button HDD Key Lock 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)	Redundancy Easy configuration Interface	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code)	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
HDD Key Lock Yes 2EA (Playback/Setup → HDMI1) HDMI : 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Redundancy Easy configuration Interface Front	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code)	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Redundancy Easy configuration Interface Front Storage	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code) Indicator Yes	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Redundancy Easy configuration Interface Front Storage Reset	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Smart phone Redundancy Easy configuration Interface Front Storage Reset HDD Key Lock HDMI	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
	Redundancy Easy configuration Interface Front Storage Reset HDD Key Lock HDMI	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
	Redundancy Easy configuration Interface Front Storage Reset HDD Key Lock HDMI Audio	Protocol Support Control Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Out 1EA (3.5mm Audio Jack)	RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support

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.





USB	4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0)	
Power inlet	AC 1EA	
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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	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 ~ 240 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. 14Kg(30.9 lb, HDD not included)	



XRN-3220B4

32CH NVR with 12th gen. Intel® Processor







CAD Unit:mm [inch]

