



XRN-3220RB2

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



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32CH NVR with 12th gen. Intel® Processor

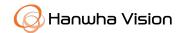






Specifications

Display		
	Inputs	Max. 32CH
Network camera	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
	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
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
	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)



Storage		Supported HDD	Up to 10TB
External External ISCSI storage RAID RAID-S/6/Array Size : 8 HDDs x 1 Array) File backup Recorder/SEC/AN/LIPEGICacal, AN/IPEGINENOOK) Function Multi channel(Up to 15CH) Play, Date-Time/Title displication Multi-Channel(Up to 15CH) Play, Date-Time/Title displicati			· · · · · · · · · · · · · · · · · · ·
RAID RAID-5/6(Array Size: 8 HDDs x 1 Array)	Storage		· · · · · · · · · · · · · · · · · · ·
File backup			
Security Paddress Search Supported Drower Supported brower Supported brower Supported brower Supported brower Support CollsUNAPII for integration to 3'rd party VMS	Backup		, , , , , , , , , , , , , , , , , , ,
Network Protocol IPM, IPM, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSR, RTCP, NTP, HTTP, DHCP (Server, Client), SM (CMP) IGMP ARP, DNS, DNNS, UPP), HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client), SM (CMP) IGMP ARP, DNS, DNNS, UPP), HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client), SM (CMP) IGMP ARP, DNS, DNNS, UPP), HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client), SM (CMP), SNMP, DNNS,			
Protocol IPv4, IPv4, TCP/IP, UDP/IP, RTP (LDP), RTP (TCP), RTSP, RTCP. NTP, HTTP, DNCP (Server, Client). SM (MP, ISMP, ARP, DNS, DNS, UPPP, HTTPS, SMMP, ONWIF (Profile-S), SUNAPI(Server, Client). SM (MP, ISMP, ARP, DNS, DNS, UPPP, HTTPS, SMMP, ONWIF (Profile-S), SUNAPI(Server, Client). SM (MP, ISMP, ARP, DNS, UPPP, HTTPS, SMMP, ONWIF (Profile-S), SUNAPI(Server, Client). SM (MP, ISMP, ARP, DNS, UPPP, HTTPS, SMMP, ONWIF (Profile-S), SUNAPI(Server, Client). SM (MP, ISMP, ARP, DNS, UPPP, HTTPS, SMMP, ONWIF (Profile-S), SUNAPI(Server, Client). SM (MP, ISMP, ARP, ISMP, ARP, ISMP,			
ICMP, IGMP, RAPP, DNS, DDNS, UPNP, HTTPS, SMMP, ONVIF (Profile-S), SUNAP(IServer, Client) DDNS	Network		
Transmission Bandwidth Max. 520Mbps Input/Output 32 CH(network) Audio Compression G.711, G.726, AAC(16/48KH2) Audio Communication 2Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) Security Paddress filtering, User access Lop, 802. 1s. TLS. Encryption Device certificate(Hanwha Technon Root CA), Signed firmware. TPM support Web viewer Software Supported OS Windows10 or higher, mac05 13.5.2 or higher Supported Browser Google Chrome, Microsoft Edge, Mac Safari Viewer Software SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CG(ISUNAPI) for integration to 3'rd party VMS Functions Functions Register Auto, Manual IP address, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4.6 point polygine) Functions Fine Camera Setup Limper Soft Soft Soft Soft Soft Soft Soft Soft	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 Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support Web viewer Supported OS Windows10 or higher, macOS 13.5.2 or higher Supported DS 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 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 Viewer Software State (2), 11 page 12	DDNS	Hanwha DDNS	
Audio Compression G.711, G.726, AACC16/48KHz) Audio Communication 2-Way Max Remote Users Search(3), Live Unicast(20), Multicast(20) Security Paddress filtering, User access Log, 802, 1x, TLS, Encryption 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 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 Viewer avideo setup (Simple focus Brightness)/Contrat Filip/Miror, Rigk, WOR, D&B, SM, EMP, ESD, SM, DSI, Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage PTZ Control Via GUI, Webviewer, SPC-2000/2001 Preset 300 Presets Support Model iOS, Android Preset 10S, Android Protocol Support RTP, RTSP, HTTP, CCI(SUNAPI) Control Live 16CH(Multi-Profile Support), Playback 4CH Max, Remote Users Search(3), Live Unicast(10) Max, Remote Users Search(3), Live Unicast(10) Max, Remote Users Search(3), Live Unicast(10) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock Yes Reset Power button HDMI 12902x1000 60Hz	Transmission Bandwidth	Max. 520Mbps	
Audio Communication 2-Way Max Remote Users Search(3), Live Unicast(10), Multicast(20) Security 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 Support CG(ISUNAP) for integration to 3 rd pairty VMS Functions Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera Mo Setup (4, 8 point polygon) Camera Setup Register Auto, Manual Paddress, Add profile edit, Bitrate, Compression, GOP Quality, Camera Mo Setup (4, 8 point polygon) Camera Setup Control Preset Auto, Manual Preset 300 Presets Support Model IOS, Android Preset 300 Presets Support Model IOS, Android Preset 300 Presets Support Model IOS, Android Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI) Control Live 16CH(Multi-Profile Support), Playback 4CH ARB Support Redundancy Fallower N-1 ARB Support Support Pack Search(3), Live Unicast(10) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDD Key Lock PES (2E (Playback/Setup → HDMI1) HDMI: 3840x2160 30Hz HDMI: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)		Input/Output	32 CH(network)
Search(3), Live Unicast(10), Multicast(20)	Audio	Compression	G.711, G.726, AAC(16/48KHz)
Security IP address filtering, User access Log 802.1x, TLS. Encryption Device certificate (Hanwha Techwin Root CA). Signed firmware, TPM support Supported DS Windows10 or higher, macOS 13.5.2 or higher Supported browser Google Chrome, Microsoft Edge, Mac Safari SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) 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 Limper (1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,		Audio Communication	2-Way
Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support Supported DS 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 IP address, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4.8 point polygon) Camera Setup Camera Setup Control IP address, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4.8 point polygon) Filip/Mirror, IRIS, WDR, D&N, SSNR, SDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage Control Via GUI, Webviewer, SPC-2000/2001 Preset 300 Presets 300 Presets 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 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 Live 16 (19a)back/Setup → HDM11) HDM1: 3840×2160 30Hz HDM1: 1920×1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 16bps)	Max Remote Users	Search(3), Live Unicast(10), Multicast	:(20)
Web viewer 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 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, Wab, SSMR, Shurter, SSND, 105), 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 Redundancy ARB Support Easy configuration P2P(QR code) Interface P2P(QR code) Interface Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDM HDM12: 1920-1008 60Hz HDM12: 1920-1008 60Hz HDM12: 1920-1008 60Hz HDM14: 1009-1008 60Hz HDM2 P2-45 3EA (LAN/WAN, 1Gbps)	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 wobile Register Auto, Manual IP address, Add profile edit, Bitrate, Compression, GoP Quality, Camera Mo setup (4, 8 point polygon) Camera video setup (5 miple focus, Brightness) Contras Flip/Mipror, IRIX, WBR, D&N, SSNR, Shuter, SSDR, Dish, Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage Control Via GUI, Webviewer, SPC-2000/2001 Preset 300 Presets 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 HDD Key Lock Yes HDMI #MBM12: 1920:100880 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
Functions Register Auto, Manual IP address, Add profile edit, Bitrate, Compression, GOP Quality, Camera MD setup (4, 8 point polygon) Camera Setup Camera Setup Camera Setup Control Preset Support Model Protocol Support Control Protocol Support Control Protocol Support Control Protocol Support Control ARB Support Redundancy Failover ARB Support ARB Support Indicator Paceset Power button HDD, Alarm, Power, Record, Backup, Network, RAID Storage Reset Power button HDMI ARB Support Protocol Support ARD Storage Pese Power button HDMI ARB Support ARD ARD ARD ARD ARD ARD ARD AR		Supported browser	Google Chrome, Microsoft Edge, Mac Safari
Camera Setup Register Auto, Manual P address, Add profile edit, Bitrate, Compression, GOP Quality, Camera M Sestup (4, 8 point polygon) Camera video setup (5 limple 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 Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDM Key Lock Yes HDMI : 3840x2160 30Hz HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Viewer Software		
Camera Setup Register Auto, Manual P address, Add profile edit, Bitrate, Compression, GOP Quality, Camera M Sestup (4, 8 point polygon) Camera video setup (5 limple 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 Front Indicator HDD, Alarm, Power, Record, Backup, Network, RAID Storage Yes Reset Power button HDM Key Lock Yes HDMI : 3840x2160 30Hz HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)			
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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 HDD Key Lock Yes HDMI 2EA (Playback/Setup → HDMI1) HDMI 1:3840x2160 30Hz HDMI2:1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 16bps)	Camera Setup		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
Preset300 PresetsSupport ModeliOS, AndroidSmart phoneProtocol 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, 16bps)		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 HDMI 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RP-RTSP, HTTP, CGI(SUNAPI) Ethernet RTP, RTSP, HTTP, CGI(SUNAPI) RTP, RTSP, HTTP, CGI(SUNAPI) Live 16CH(Multi-Profile Support), Playback 4CH N+1 Eventual 1900 Ev	PTZ	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)		Support Model	iOS, Android
Control Max. Remote Users Search(3), Live Unicast(10) Failover ARB Support Easy configuration P2P(QR code) Interface Front Indicator Yes Reset Power button HDD, Alarm, Power, Record, Backup, Network, RAID HDD Key Lock Yes LEA (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	RTP RTSP HTTP CGI(SUNAPI)
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)	Smart phone		1111 / 111 51 / 111 11 / 661(5610 11 1)
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	
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)			Live 16CH(Multi-Profile Support), Playback 4CH
Easy configuration P2P(QR code) Interface Front Indicator 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)		Max. Remote Users	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)	Redundancy	Max. Remote Users Failover	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)	,	Max. Remote Users Failover ARB	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)	Easy configuration	Max. Remote Users Failover ARB	Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1
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)	Easy configuration Interface	Max. Remote Users Failover ARB P2P(QR code)	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)	Easy configuration Interface Front	Max. Remote Users Failover ARB P2P(QR code) Indicator	Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
HDMI HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz Audio Out 1EA (3.5mm Audio Jack) Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Easy configuration Interface Front Storage	Max. Remote Users Failover ARB P2P(QR code) Indicator Yes	Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
Ethernet RJ-45 3EA (LAN/WAN, 1Gbps)	Easy configuration Interface Front Storage Reset	Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button	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	Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz	Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
	Easy configuration Interface Front Storage Reset HDD Key Lock	Max. Remote Users Failover ARB P2P(QR code) Indicator Yes Power button Yes 2EA (Playback/Setup → HDMI1) HDMI1: 3840x2160 30Hz HDMI2: 1920x1080 60Hz	Live 16CH(Multi-Profile Support), Playback 4CH Search(3), Live Unicast(10) N+1 Support
	Easy configuration Interface Front Storage Reset HDD Key Lock HDMI Audio	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)	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	
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, Romanian, 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	$100 \sim 240 \text{VAC} \pm 10\%; 50/60 \text{Hz}, 1.7 \text{A}$	
Power Consumption	Max. 162W (553BTU with HDD 8ea)	
Mechanical		
Color / Material	Black / Metal	
Dimension (WxHxD)	438 x 86 x 434.9 mm	
Weight	8.8Kg (19.4lb, Except HDD)	



XRN-3220RB2

32CH NVR with 12th gen. Intel® Processor



CAD Unit:mm [inch]

