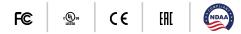




# XRN-1620B2

16CH NVR



### **Key Features**

- Up to 16CH 32MP supported
- Max. 140Mbps network camera recording
- HDMI out
- User friendly UI / UX
- Al search support when working with Wisenet Al camera
- Dynamic Event support
- New event function of cameras is available without software update
- H.265, H.264, MJPEG codec supported
- Bookmark management (Up to 100 set)
- SATA 8ea (Up to 80TB)



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16CH NVR







## **Specifications**

Display		
Network camera	Inputs	Max. 16CH
	Resolution	32MP ~ CIF
	Protocols	SUNAPI, ONVIF
Decoding	Local Display	FHD: HDMI & VGA Dual monitor UHD: HDMI Single monitor
	Multi Screen Display	[Local Monitor] - Dynamic layout, Virtual channel view - Clone mode: Up to 16 Division - Expand mode: Up to 9 Division [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	Resolution	[Local Monitior] FHD Clone mode: 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(480fps) UHD Single mode: 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(270fps) FHD Expand mode: 32M(12fps, H.265 Only), 12M(25fps, H.265 Only), 8.3M(30fps), 1080p(90fps), D1(200fps) Clone/Single mode: Up to 25fps when displaying more than 10CH
Performance		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 140Mbps
	Resolution	32MP ~ CIF
Record	Mode	Normal, Dual Stream, Schedule(Continuous/Event), Even (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, Shotdown
Search & Play	Playback Bandwidth	Max. 32Mbps
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 64CH(Local 16CH, Remote 16CH per user)
	Fisheye Dewarping	CMS
	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
	Resolution	CIF ~ 32MP (Up to H.264 8.3MP, H.265 32MP)
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Dowr
Storage	Supported HDD	Up to 10TB
	HDD Slot	SATA 8ea(Max. 80TB)
Backup	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)
	Function	Multi channel(Up to 16CH) Play, Date-Time/Title display

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.



Network			
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)		
DDNS	Hanwha DDNS		
Transmission Bandwidth	Max. 140Mbps		
Audio	Input/Output	16 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, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware		
Web viewer	Supported OS	Windows 10, macOS 10.13	
	Supported browser	Google Chrome, Microsoft Edge, Mac Safari	
Viewer Software	WAVE, SSM, Webviewer, Smart 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/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage	
	Control	Via GUI, Webviewer, SPC-2000	
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	
Storage	ОК		
HDMI	1EA 3840x2160 30Hz		
VGA	1EA 1920x1080 60Hz		
Audio	Out 1EA (3.5mm Audio Jack)		
Ethernet	RJ-45 2EA (LAN/WAN, 1Gbps)		
Alarm	In 4EA, Out 2EA		
USB	3EA(Front 2 x USB 2.0, Rear 1 x USB 3.0)		
Power inlet	AC 1EA		
System			
Log	Log List	Max. 100,000 (System Log, Event Log each)	
System Control	Mouse, Keyboard, Web, Controller (SPC-2000)		
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 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.





Operating Temperature	0°C to +40°C(32°F to 104°F)		
Operating Humidity	20% ~ 85% RH		
Electrical			
Power Input	$100 \sim 240 \text{ VAC} \pm 10\%; 50/60 \text{ Hz}$		
Power Consumption	130W		
Mechanical			
Color / Material	Black / Metal		
Dimension (WxHxD)	440 x 89.8 x 428.4 mm (17.32 x 3.54 x16.87 inch)		
Weight	5.71Kg (12.59lb)		
Intelligent Analysis			
Al Search	Object Attribute	Compatible for Wisenet Al Camera	