



XRN-1620SB1

16CH NVR

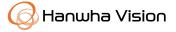


Key Features

- Up to 16CH 32MP supported
- Max. 140Mbps network camera recording
- HDMI out
- User friendly UI / UX
- AI search support when working with Wisenet AI camera
- Dynamic Event support
- New event function of cameras is available without software update
- H.265, H.264, MJPEG codec supported
- Plug & play by 16 PoE ports
- Bookmark management (Up to 100 set)
- SATA 4ea (Up to 24TB)

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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
Record	Recording Bandwidth	Max. 140Mbps
	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, Shotdown
	Playback Bandwidth	Max. 32Mbps
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 64CH(Local 16CH, Remote 16CH per user)
Search & Play	Fisheye Dewarping	CMS
Search & Flay	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 / Down
Storage	Supported HDD	Up to 6TB
Storage	HDD Slot	SATA 4ea(Max. 24TB)
Backup	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)

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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	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), Multi	icast(20)		
Security	IP address filtering, User access L Device certificate(Hanwha Techv	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		
DT7	Control	Via GUI, Webviewer, SPC-2000		
PTZ	Preset	300 Presets		
	Support Model	iOS, Android		
Constations	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)		
Smart phone	Control	Live 16CH(Multi-Profile Support), Playback 4CH		
	Max. Remote Users	Search(3), Live Unicast(10)		
Dedundancy	Failover	N+1		
Redundancy	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	PoE+ RJ-45 16EA (LAN, 10/100),	RJ-45 2ea (LAN/WAN 1Gbps)		
Alarm	In 4EA, Out 2EA			
USB	3EA(Front 2 x USB 2.0, Rear 1 x U	SB 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, S Rumanian, Serbian, Croatian, Hu Vietnamese	Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Ingarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai,		

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Operating Temperature	0°C to +40°C(32°F to 104°F)	
Operating Humidity	20% ~ 85% RH	
Electrical		
Electrical		
Power Input	100 ~ 240 VAC \pm 10%; 50/60 Hz	
Power Consumption	Max. 310W	
PoE Budget	200W	
Mechanical		
Mechanical		
Mechanical Color / Material	Black / Metal	
	Black / Metal 440 x 89.8 x 428.4 mm (17.32 x 3.54 x16.8	7 inch)
Color / Material		7 inch)
Color / Material Dimension (WxHxD)	440 x 89.8 x 428.4 mm (17.32 x 3.54 x16.8	7 inch)

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