WISENET X series

XRN-1620B2

16CH NVR

Benefits

- A cost-effective way to take advantage of the licence-free Deep Learning Al video analytics built into Wisenet Al cameras.
- Install wizard accessible through web interface to quickly install without monitor and keyboard directly attached.
- Wisenet AI cameras have Deep Learning analytics to detect and classify objects including people, vehicles, faces and number plates as well as object attributes such as gender, colour of clothing, glasses, bags and vehicle type.
- Single or multiple event trigger rules can include a wide range of event criteria, such as audio, fog, motion, tampering and motion detection, as well as sound classification and Intelligent Video Analytics (IVA).
- Al search filters allow the rapid discovery of footage using check box criteria to filter by object type and attributes.
- WiseStream II complementary compression technology, combined with H.265 compression, improves bandwidth efficiency by up to 75% compared to current H.264 technology.
- New look front grill optimises air flow to keep the hard disk drives cool which increases disk life and efficiency.
- Dynamic event supports future camera features without the need for a firmware upgrade.
- QR code scan on your smartphone for remote monitoring on the move.
- 16 ChannelsCIF to 8K resolution support or Max 16 Ch (CIF 32mp).
- ONVIF profile S conformant.

		VDN 160000	
DICOLAN		XRN-1620B2	
DISPLAY			
Network ca	Inputs	Max. 16CH	
	Resolution	32MP ~ CIF	
	Protocols	SUNAPI, ONVIF	
Decoding	FIOLOCOIS	JOINARI, OINVII	
Decounty	Local Display	FHD: HDMI & VGA Dual monitor / UHD: HDMI Single monitor	
	Multi Screen Display	[Local Monitor] 1/ 2V/ 2H/ 3V/ 4/ 6/ 8/ 9/ 13/ 16/ Sequence	
	. ,	[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 : MAX 15fps when displaying more than 10CH Expand mode : Up to 9 divisions, Max 15fps when displaying more than 8CH	
INTELLIG	ENT ANALYSIS		
Al Search	Object Attribute	Compatible for Wisenet Al Camera	
PERFORM			
Operating System	Embedded	Linux	
Record			
	Compression	H.265, H.264, MJPEG	
	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	
	Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out	
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)	
<u>.</u>	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down	
Storage	Constant 11100		
	Supported HDD	Up to 10TB	
Packurs	HDD Slot	SATA 8ea(Max. 80TB)	
Backup	File backup	BU/Exe(GUI), JPG/AVI(Network)	
	File backup Function	BU/Exe(GUI), JPG/AVI(Network) Multi channel(Up to 16CH) Play, Date-Time/Title display	
NETWOR		man enamer(op to roch) riay, bate-fille/ fille display	
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	



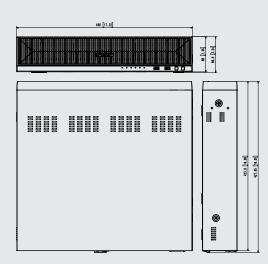
WISENET X series

Key Features

- Up to 16CH (CIF to 32MPix 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)

Dimensions

Unit:mm(inch)



		XRN-1620B2		
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, Firefox		
Viewer Software		WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS		
FUNCTIONS				
Camera Se	tup	1		
	Register	Auto, Manual		
	Item	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		
PTZ				
	Control	Via GUI, Webviewer, SPC-2000		
	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)		
Redundan				
	Failover	N+1		
- •	ARB	Support		
Easy configuration		P2P(QR code)		
INTERFACE				
Front Indicator		HDD, Alarm, Power, Record, Backup, Network		
Storage		OK		
HDMI		1EA 3840x2160 30Hz 1EA 1920x1080 60Hz		
VGA Audio		Out 1EA		
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				
		Max. 100,000 (System Log, Event Log each)		
System Control		Mouse, Web, Controller (SPC-2000)		
Language		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese		
ENVIRONMENTAL				
Operating Temperature		0°C to +40°C(32 to 104)		
Operating Humidity ELECTRICAL		20% ~ 85% RH		
Power Input		100 ~ 240 VAC ±10%; 50/60 Hz		
Power Consumption		130W		
MECHANICAL				
Colour / Ma	aterial	Black		
Dimension (WxHxD)		440 x 89.8 x 428.4 mm		
Weight		5.71Kg		

- * The latest product information / specification can be found at hanwha-security.com
- * Design and specifications are subject to change without notice.
- * Wisenet is the proprietary brand of Hanwha Techwin.

