

XRN-1610SA

16CH 12M H.265 NVR with PoE Switch



FC | UL LISTED | CE | ENEC

Key Features

- Up to 16CH 12megapixel supported
- H.265, H.264, MJPEG codec supported
- WiseStream support
- 180Mbps network camera recording
- Plug & play by 16 PoE/PoE+ ports
- Max. 4HDDs, e-SATA storage supported
- HDMI / VGA local monitor
- P2P service (QR code connect) support

Display		
Network camera	Inputs	Max. 16CH
	Resolution	12MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	[Dual Display] HDMI: 3840 x 2160, 1920x1080, 1280x720 VGA: 1920x1080, 1280x720
	Resolution	12MP(30fps), 8MP(120fps), 5MP(180fps), 3MP(240fps), 2MP(480fps), 720p(480fps), D1(480fps)
Performance		
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 180Mbps
	Resolution	12MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post)
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps(16CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 16CH(Local Monitor, Network)
	Fisheye Dewarping	WEB / CMS
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 4ea(Max. 24TB)
	External	iSCSI storage(Max. 384TB)
Backup	File backup	BU/Exe(GUI), JPG/AVI(Network)
	Function	Multi channel(Upto 16CH) Play, Date-Time/Title display
Network		
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)	
DDNS	Wisenet DDNS	
Transmission Bandwidth	Max. 256Mbps (iSCSI off) Max. 128Mbps (iSCSI on)	
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	
Web viewer	Supported OS	Window XP (Service pack 2 or above), Vista, 7, 8, 10, Mac OS X (10.7 or above)

Supported browser	Plug-in free Webviewer - Supported Browser : Google Chrome 47, MS Edge 20 - WMF : 1CH live (800 x 600), Setup Plug-in Webviewer - Supported Browser : MS Explore 11, Mozilla Firefox 43 , Apple Safari 9 * Mac OS X only
Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS
Functions	
Camera Setup	Item
	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control
	Via GUI, Webviewer, SPC-2000
Smart phone	Support Model
	Protocol Support
	Control
	Max. Remote Users
	iOS, Android
	RTP, RTSP, HTTP, CGI(SUNAPI)
	Live(Multi-Profile Support), Playback
	Search(3), Live Unicast(10)
Redundancy	ARB
	Support
Easy configuration	P2P(QR code)
Interface	
HDMI	1EA
VGA	1EA
e-SATA	1EA
Audio	Out(1EA, RCA, Line)
Ethernet	RJ-45(10/100/1000BASE-T) x 2 RJ-45(PoE+) x 16
Alarm	In 8EA, Out 4EA
USB	2EA(Front 1, Rear 1)
Power inlet	AC 1EA
System	
System Control	Mouse, IR remocon, 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
Environmental	
Operating Temperature	0°C to +40°C(32°F to 104°F)
Operating Humidity	20% ~ 85% RH
Electrical	
Power Input	100~240VAC ± 10%
Power Consumption	Max. 271.9W (4 HDDs, PoE/PoE+ On) Max. 51.9W (4 HDDs, PoE/PoE+ Off)
PoE Budget	Max. 220W

Mechanical

Color / Material	Black / Metal
Dimension (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15") (2U)
Weight	5.1Kg (11.24lb)

- 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, formerly known as Samsung Techwin.