

XRN-1610A

16CH Network Video Recorder

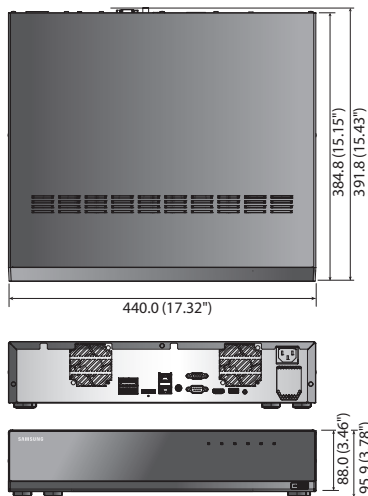


Key Features

- Up to 16CH 12megapixel supported
- H.265, H.264, MJPEG codec supported
- WiseStream support
- 180Mbps network camera recording
- Max. 8HDDs, e-SATA storage supported
- HDMI / VGA local monitor
- P2P service (QR code connect) support

Dimensions

Unit : mm (inch)



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DISPLAY		
Video	Inputs / Resolution	Up to 16CH / CIF ~ 12MP
	Protocols	Samsung, ONVIF
	Local Display	1x HDMI, 1x VGA dual monitor
Live	Multi Screen Display	[Local monitor] 1 / 2V / 3V / 4 / 6 / 8 / 9 / 13 / 16 / Auto sequence, [Web] 1 / 4 / 9 / 16 / Auto sequence
	Performance	[Local monitor] 12MP (30fps), 8MP (120fps), 5MP (180fps), 3MP (240fps), 2MP (480fps), 720p (480fps), D1 (480fps) [Web] 5MP (30fps), 3MP (60fps), 2MP (120fps), 720p (240fps), D1 (480fps)
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.265, H.264, MJPEG, WiseStream (H.265, H.264)
	Recording Bandwidth	180Mbps
	Resolution	CIF ~ 12MP
	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
Event Trigger	Event Trigger	Alarm input (8), Video loss, Camera event (Sensor, MD, Video analytics), VA event (Tampering, Enter / Exit, Passing, Virtual-line, (Dis)Appear, Face detection, Audio Detection), Defocus camera event
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	32Mbps (16CH simultaneously)
	Performance	Max. 4 users (Set 1, Remote 3)
Search & Playback	Mode	Date & Time (Calendar) / Event log list / Text search (POS, ANPR)
	Simultaneous Playback	Max. 16CH (Local monitor, Network)
	Resolution	CIF ~ 12MP
	Fish-eye Dewarping	Processed on Web / CMS
Storage	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Default Built-in	0TB ~ 6TB
	Internal / External	8 SATA (Max. 48TB) / 1 e-SATA, iSCSI (Max. 384TB * PROMISE VESSRAID R2600)
Backup	File Backup	BU/EXE (GUI), JPG/AVI (Network)
	Function	Max. 16CH play, Date-time/title display
Sensor	Input / Output	8 / 4 (NO/NC selectable)
Audio	Input / Compression	16CH (Network) / G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-way (Pass-through between camera and SSM)
NETWORK		
Protocol Support		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		iPOLiS DDNS
Transmission Bandwidth		Max. 256Mbps (iSCSI off) (128Mbps, iSCSI on)
Max. Remote Users		Search 3 / Live unicast 10 / Live multicast 20
IP		IPv4 / IPv6
Security		IP address filtering, User access log, 802.1x authentication, Encryption (ID/PW, Recording, Transmission, Backup)
Language	GUI / Web	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai (GUI)
OS		Supported OS : Window XP (Service pack 2 or above), Vista, 7, 8, 10, Mac OS X (10.7 or above)
Web 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	Type	SSM, Webviewer, SmartViewer, iPOLiS mobile viewer
CMS Support		SDK / CGI (SUNAPI)
FUNCTIONS		
Camera Setup	Register	Auto mode, Manual mode
	Setup Items	1) IP address, Add profile edit, Bitrate, Compression, GOP, Quality
		2) Camera event setup - MD, VA : Tampering, Enter / Exit, Passing (Virtual-line), (Dis)Appear, Face detection, Audio detection
		3) Video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDR, D&N, SSM, Shutter, SSSD, DIS)
4) Fisheye dewarping, Hallway view setup, Camera webpage		
Easy Configuration		Setup Wizard (Language Date/Time, Network, Auto camera configuration), P2P (QR code)
ARB (Auto Recovery Backup)		Yes
PTZ	Control / Preset	Via GUI, Webviewer, SPC-2000 (USB) / 255 presets
Smart Phone	OS	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (16CH) : Multi-profile support, Playback (1CH, Max. 2MP)
Max. Remote Users		Search 3 / Live unicast 10 / Live multicast 20
System Control		Mouse, IR Remocon, Web, SPC-2000 (USB)
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea
	Record status LED 1ea, Network action LED 1ea, Backup LED 1ea	
Connections	USB	2ea (Front 1ea / Rear 1ea)
	HDMI	Main : 1ea (Both support Live / PB / Setup) Support up to 4K (3840 x 2160, Single monitor mode)
	VGA	Sub : 1ea (Support Live screen up to 16 div. mode)
	Audio / Serial	Out 1ea (RCA, Line) / 1ea for UPS (Plan to support as project basis)
	Ethernet	2ea (LAN/WAN, 1Gbps) - LAN : Downlink to camera / PoE (PoE+) Hub - WAN : Uplink to CMS
	Alarm	In 8ea (Terminal block) / Out 4ea (Terminal block)
Reset / Power Cord		Yes (Factory reset, Alarm reset) / Included
SYSTEM		
Log	Log List	Max. 20,000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC
	Power Consumption	Max. 76.3W (8 HDDs)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15") (2U)
	Weight	5.44Kg (11.99 lb)

* 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.