

XRN-1610S

16CH Network Video Recorder with PoE Switch

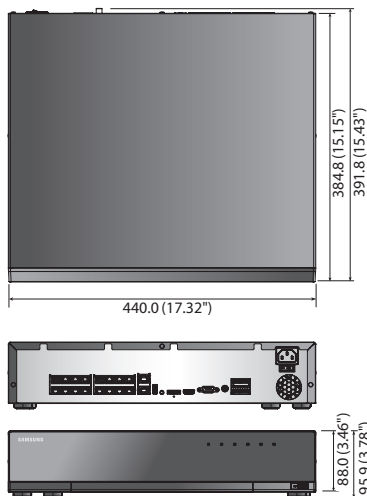


Key Features

- Up to 16CH 12MP supported
- H.265, H.264, MJPEG codec supported
- 180Mbps network camera recording
- Plug & play by 16 PoE/PoE+ ports
- Max. 4HDDs, e-SATA storage supported
- HDMI / VGA local monitor

Dimensions

Unit : mm (inch)



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DISPLAY		
Video	Inputs / Resolution	Up to 16CH / CIF ~ 12MP
	Protocols	Samsung, ONVIF
Live	Local Display	1x HDMI, 1x VGA dual monitor
	Multi Screen Display	[Local monitor] 1 / 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		
Recording	Operating System	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	180Mbps
	Resolution	CIF ~ 12MP
Event Trigger	Mode	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	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
Search & Playback	Playback Bandwidth	32Mbps (16CH simultaneously)
	Performance	Max. 3 users (Remote 3)
	Mode	Date & Time (Calendar) / Event log list / Text search (POS, ANPR)
	Simultaneous Playback	Max. 16CH (Local monitor, Network)
Storage	Resolution	CIF ~ 12MP
	Fish-eye Dewarping	N/A (Processed on Web / CMS)
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
Backup	Default Built-in	0TB ~ 8TB (TBD, Dependent on region)
	Internal / External	4 SATA / 1 e-SATA, iSCSI
	Max. Capacity	Internal (32TB = 4 x 8TB)
File Backup	File Backup	BU/EXE (USB), JPG/AVI (Web, CMS)
	Function	Max. 16CH playback, Date-time/title display
Sensor	Input / Output	8 / 4 (NO 3ea, NO/NC 1ea)
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, HTTP, SNMP, ONVIF (Profile-S), SUNAPI (Server, Client)
DDNS		iPOLIS DDNS
Transmission Bandwidth		Max. 256Mbps (iSCSI off) (128Mbps, iSCS 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		Non-plugin 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	PnP 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, SSNR, Shutter, SSSR, DIS)
4) Fisheye dewarping, Hallway view setup, Camera webpage		
Camera Control	PoE	Monitor PoE power consumption, On/Off control for each PoE camera Remote reset for each PoE camera
	Time Sync.	NVR time protocol for PoE camera (Time sync based on NVR time)
Easy Configuration		Setup Wizard (Language Date/Time, Network, Auto camera configuration) * Selectable between PnP and manual mode
ARB (Auto Recovery Backup)		Yes
PTZ	Control / Preset	Via GUI, Webviewer, SPC-2000 (USB) / 255 presets
	OS / Protocol Support	Android, iOS / RTP, RTSP, HTTP, CGI (SUNAPI)
Smart Phone	Control	Live (16CH) : Multi-profile support, Playback (1CH, Max. 2M)
	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
	USB	2ea (Front 1ea / Rear 1ea)
Connections	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
Ethernet	Ethernet	16ea (PoE, 100Mbps) - 8 hPoE when 2 PoE ports aggregated to 1 port 2ea (LAN/WAN, 1Gbps) - LAN : Downlink to camera / 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	TBD
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
	Color / Material	Black / Metal
Mechanical	Dimensions (WxHxD)	TBD
	Weight	TBD

* The latest product information / sepecification can be found at <http://security.hanwhatechwin.com>