

XRN-1610S

16CH Network Video Recorder with PoE Switch

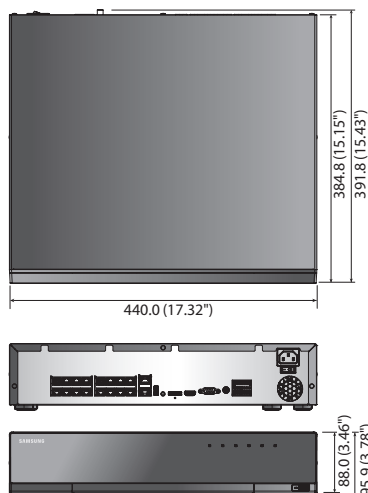


Key Features

- 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

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 / 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), D1 (480fps) [Web] 5MP (30fps), 3MP (60fps), 2MP (120fps), 720p (240fps), D1 (480fps)
PERFORMANCE		
Recording	Operating System	Linux
	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	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. 4 users (Set 1, 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	Processed on Web / CMS
Playback Control	Fast/Slow Forward/Backward, Move one step up/down	
	Default Built-in	0TB ~ 6TB
Internal / External	4 SATA (Max. 24TB) / 1 e-SATA, iSCSI (Max. 384TB * PROMISE VESSRAID R2600)	
	File Backup	BU/EXE (GUI), JPG/AVI (Network)
Backup	Function	Max. 16CH play, Date-time/title display
	Input / Output	8 / 4 (NO/NC selectable)
Sensor	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)	
	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	
Viewer	WMF : 1CH live (800 x 600), Setup	
	Plug-in Webviewer	
Software	Supported Browser : MS Explore 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only	
	Viewer	SSM, Webviewer, SmartViewer, iPOLiS mobile viewer
CMS Support	SDK / CGI (SUNAPI)	
FUNCTIONS		
Register	PnP mode, Manual mode	
	1) IP address, Add profile edit, Bitrate, Compression, GOP, Quality	
Camera Setup	Setup Items	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, SDDR, DIS)	
Camera Control	PoE (PoE+)	4) Fisheye dewarping, Hallway view setup, Camera webpage
	Time Sync.	Monitor PoE/PoE+ power consumption, On/Off control for each PoE/PoE+ camera, Remote reset for each PoE/PoE+ camera
Easy Configuration	Setup Wizard (Language Date/Time, Network, Auto camera configuration)	
	* Selectable between PnP and manual mode	
ARB (Auto Recovery Backup)	Yes	
	Control / Preset	Via GUI, Webviewer, SPC-2000 (USB) / 255 presets
Smart Phone	OS / Protocol Support	Android, iOS / RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (16CH) : Multi-profile support, Playback (1CH, Max. 2MP)
System Control	Search 3 / Live unicast 10 / Live multicast 20	
	Mouse, IR Remocon, Web, SPC-2000 (USB)	
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea
	USB	Record status LED 1ea, Network action LED 1ea, Backup LED 1ea
Connections	HDMI	2ea (Front 1ea / Rear 1ea)
	VGA	Main : 1ea (Both support Live / PB / Setup)
Audio / Serial	Sub : 1ea (Support live screen up to 16 div. mode)	
	Out 1ea (RCA, Line) / 1ea for UPS (Plan to support as project basis)	
Ethernet	16ea (PoE (PoE+), 100Mbps), 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. 271.9W (4 HDDs, PoE/PoE+ on), Max. 51.9W (4 HDDs, PoE/PoE+ off) * PoE/PoE+ Budget : Max. 220W
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	5.1Kg (11.24 lb)	

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