

XRN-1610S

16CH Network Video Recorder with PoE Switch

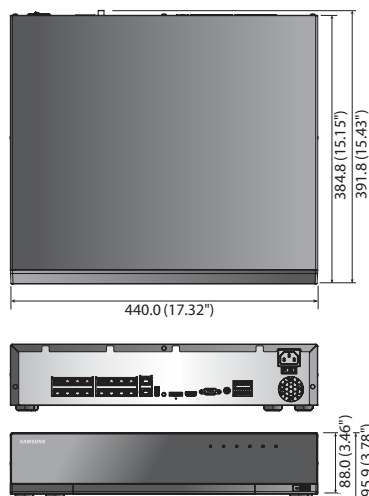


Key Features

- 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)



XRN-1610S

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
	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
	Playback Bandwidth	32Mbps (16CH simultaneously)
Search & Playback	Performance	Max. 3 users (Remote 3)
	Mode	Date & Time (Calendar) / Event log list / Text search (POS, ANPR)
	Simultaneous Playback	Max. 16CH (Local monitor, Network)
	Resolution	CIF ~ 12MP
Storage	Fish-eye Dewarping	N/A (Processed on Web / CMS)
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Default Built-in	0TB ~ 8TB (TBD, Dependent on region)
Backup	Internal / External	4 SATA / 1 e-SATA, iSCSI
	Max. Capacity	Internal (32TB = 4 x 8TB)
Sensor	File Backup	BU/EXE (USB), JPG/AVI (Web, CMS)
	Function	Max. 16CH playback, Date-time/title display
Audio	Input / Output	8 / 4 (NO 3ea, NO/NC 1ea)
	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, 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	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, SSDR, 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		
ARB (Auto Recovery Backup)		
PTZ		
Smart Phone	Control / Preset	Via GUI, Webviewer, SPC-2000 (USB) / 255 presets
	OS / Protocol Support	Android, iOS / RTP, RTSP, HTTP, CGI (SUNAPI)
System Control	Control	Live (16CH) : Multi-profile support, Playback (1CH, Max. 2M)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
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	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	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
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	TBD
	Weight	TBD

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