

XRN-2011

32CH Network Video Recorder

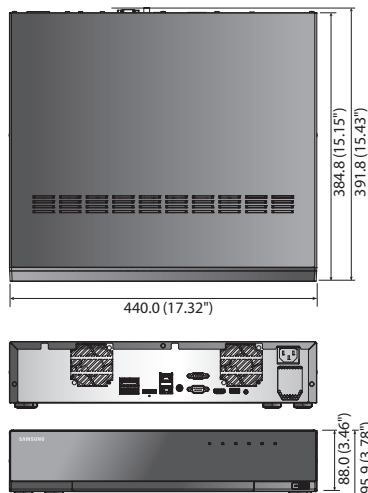


Key Features

- Up to 32CH, Max. 12MP Camera supported
- 256Mbps network camera recording
- Support 4K video out on HDMI monitor
- Support Dual monitor video out
- Support H.265, H.264, MJPEG compression
- WiseStream support
- Max. 8 internal HDDs (48TB), e-SATA / iSCSI storage support
- Support RAID 5
- Easy installation with front swap hard disks
- ARB & Failover (N+1) support

Dimensions

Unit : mm (inch)



		XRN-2011
DISPLAY		
Video	Inputs	Up to 32CH
	Resolution	CIF ~ 12MP
	Protocols	Samsung, ONVIF
Live	Local Display	1x HDMI, 1x VGA dual monitor
	Multi Screen Display	[Local monitor] 1 / 2V / 3V / 4 / 9 / 16 / 25 / 36 / Sequence, [Web] 1 / 4 / 9 / 16 / 25 / 36 / Sequence
	Performance	[Local monitor] 12M (30fps), 8.3M (120fps), 1080p (480fps), 720P (960fps), D1 (960fps)
PERFORMANCE		
Recording	Operating System	Embedded Linux
	Compression	H.265, H.264, MJPEG, WiseStream (H.265, H.264)
	Recording Bandwidth	Max. 256Mbps, Max. 100Mbps (RAID 5 mode)
Search & Playback	Resolution	CIF ~ 12MP
	Mode	Normal, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input, Video loss, Camera event (Sensor, MD, Video analytics)
Storage	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	32Mbps (16CH simultaneously)
	Performance	Max. 4 users (Local 1, Remote 3)
Backup	Mode	Date & Time (Calendar) / Event log list / Text search
	Simultaneous Playback	Max. 16CH (Local monitor, CMS)
	Resolution	CIF ~ 12MP
Sensor	Fish-eye Dewarping	WEB / CMS
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Built-in / Internal HDD	0TB ~ 6TB / 8 (Hot swap) - Max. 48TB (Non-RAID), Max. 36TB (RAID 5)
Audio	External	iSCSI storage (Max. 384TB), Promise Vess RAID R2600
	RAID	RAID 5 (Array size : 4 HDD x 2 array)
	File Backup (Via Web)	BU/Exe (GUI), JPG/AVI (Network)
Network	Function	Multi channel (Up to 16CH) play, Date-time/title display
	Input / Output	8 / 4 (NO/NC selectable)
	Input	32CH (Network)
Interface	Compression	G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-way
	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)
Language	DDNS	iPOLiS DDNS
	Transmission Bandwidth	512Mbps (iSCSI off), 256Mbps (iSCSI on)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
OS	IP	IPv4 / IPv6
	Security	IP address filtering, User access log, 802.1x authentication, Encryption
	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
Web Browser	OS	Window 7, 8, 10, Mac OS X (10.8 or above)
	Viewer	MS IE, Google Chrome, Mac Safari, Firefox
	Type	SSM, Webviewer, SmartViewer, iPOLiS mobile viewer
FUNCTIONS	Software	CMS Support
	Register	SDK / CGI (SUNAPI)
	Register	Auto, Manual
Camera Setup	Setup Items	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, SSDR, DIS), Fisheye dewarping mode, Hallway view setup, Camera webpage
	PTZ	Control / Preset
	OS	Via GUI, Webviewer, SPC-2000 / 255 presets
Smart Phone	Protocol Support	Android, iOS
	Control	RTP, RTSP, HTTP, CGI (SUNAPI)
	Max. Remote Users	Live (16CH) : Multi-profile support, Playback (1CH)
Redundancy	Failover / ARB	Search 3 / Live unicast 10
	System Control	N + 1 / Yes
	Indicator / INTERFACE	Mouse, Web, SPC-2000 (Controller)
Front	Indicator	LED (Status indicator) : 6ea
	HDMI	HDD action 1, Alarm 1, Power 1, Record 1, RAID 1, Network1
	VGA	Main : 1ea (Both support Live / PB / Setup)
Connections	Audio	Support up to 4K (3840 x 2160, Single monitor mode)
	Ethernet	Sub : 1ea (Support live screen up to 16 div. mode)
	Alarm	Out 1ea (RCA, Line)
SYSTEM	USB	RJ-45 25ea (LAN/WAN, 1Gbps)
	Storage	In 8ea (Terminal block), Alarm reset 1ea
	Power Cord	Out 4ea (Terminal block) - Relay out1 (NO/NC/COM) - Relay out 2 ~ 4 (NO/COM)
GENERAL	Log	2ea (Front 1, Rear 1)
	Log List	1 e-SATA
	Log List	RS-232C / Switch 1ea
Electrical	Input Voltage / Current	1ea AC Inlet
	Power Consumption	100 ~ 240V AC ±10%, 50/60Hz / 4 ~ 1.5A
	Operating Temperature	Max. 99W (338BTU, 6TB HDD x 8ea)
Environmental	Operating Humidity	+0°C ~ +40°C (+32°F ~ +104°F)
	Color / Material	20% ~ 85% RH
	Dimensions (WxHxD)	Black / Metal
Mechanical	Weight	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15") (2U)
	Weight	5.43Kg (11.97 lb) (without HDD)
	Weight	

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