NVR

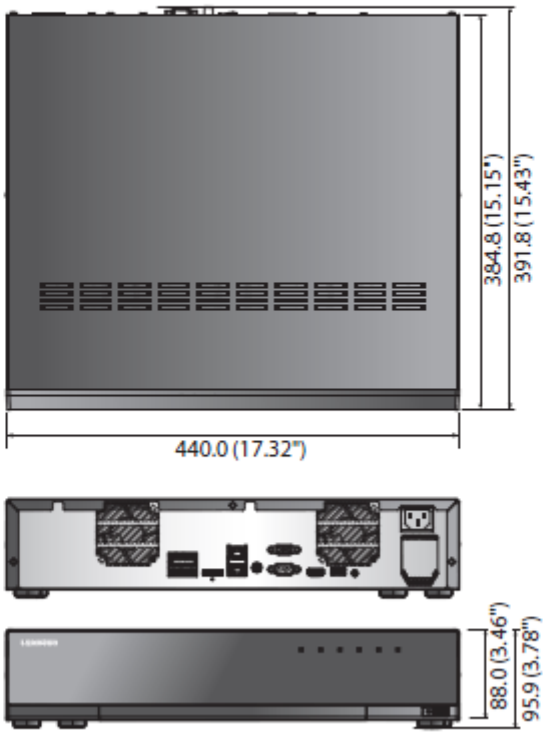
XRN-2011



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-SATAT / iSCSI storage support
- Support RAID 5
- Easy installation with front swap hard disks
- ARB & Failover (N+1) support

DIMENSIONS



SPECIFICATION

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		
Operating System	Embedded	Linux

Recording	Compression	H.265, H.264, MJPEG, WiseStream (H.265, H.264)
	Recording Bandwidth	Max. 256Mbps, Max. 100Mbps (RAID 5 mode)
	Resolution	CIF ~ 12MP
	Mode	Normal, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input, Video loss, Camera event (Sensor, MD, Video analytics)
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
Search & Playback	Playback Bandwidth	32Mbps (16CH simultaneously)
	Performance	Max. 4 users (Local 1, Remote 3)
	Mode	Date & Time (Calendar) / Event log list / Text search (POS, ANPR)
	Simultaneous Playback	Max. 16CH (Local monitor, CMS)
	Resolution	CIF ~ 12MP
	Fish-eye Dewarping	WEB / CMS
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
Storage	Built-in / Internal HDD	0TB ~ 6TB / 8 (Hot swap) - Max. 48TB (Non-RAID), Max. 36TB (RAID 5)
	External	iSCSI storage (Max. 384TB), Promise VessRaid R2600
	RAID	RAID 5 (Array size : 4 HDD x 2 array)
Backup	File Backup (Via Web)	BU/Exe (GUI), JPG/AVI (Network)
	Function	Multi channel (Up to 16CH) play, Date-time/title display
Sensor	Input / Output	8 / 4 (NO/NC selectable)
Audio	Input	32CH (Network)
	Compression	G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-way
NETWORK		
Interface		RJ-45, Gigabit ethernet x 2
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

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
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
OS		Window 7, 8, 10, Mac OS X (10.8 or above)
Web Browser		MS IE, Google Chrome, Mac Safari, Firefox
Viewer Software	Type	SSM, Webviewer, SmartViewer, iPOLiS mobile viewer
	CMS Support	SDK / CGI (SUNAPI)
FUNCTIONS		
Camera Setup	Register	Auto, Manual
	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	Via GUI, Webviewer, SPC-2000 / 255 presets
Smart Phone	OS	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (16CH) : Multi-profile support, Playback (1CH)
	Max. Remote Users	Search 3 / Live unicast 10
Redundancy	Failover / ARB	N + 1 / Yes
System Control		Mouse, Web, SPC-2000 (Controller)
INDICATOR / INTERFACE		
Front	Indicator	LED (Status indicator) : 6ea HDD action 1, Alarm 1, Power 1, Record 1, RAID 1, Network1
	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	Out 1ea (RCA, Line)
	Ethernet	RJ-45 2ea (LAN/WAN, 1Gbps)

Connections	Alarm	In 8ea (Terminal block), Alarm reset 1ea Out 4ea (Terminal block) - Relay out1(NO/NC/COM) - Relay out 2 ~ 4 (NO/COM)
	USB	2ea (Front 1, Rear 1)
	Storage	1 e-SATA
	Serial / Reset	RS-232C / Switch 1ea
	Power Cord	1ea AC Inlet
SYSTEM		
Log	Log List	Max. 20,000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC ±10%, 50/60Hz / 4 ~ 1.5A
	Power Consumption	Max. 99W (338BTU, 6TB HDD x 8ea)
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	5.43Kg (11.97 lb) (without HDD)