LILIN NAV1108 108 Channel Recorder supports LILIN IP cameras, PTZ domes, and DVRs/NVRs. The recorder features up to 108 channels 1080P/3M/5M/8M network streaming, recording, and display, built-in dual port Gigabit Ethernet, and dual monitors support. It also supports multi-channels playback for remote or local. NAV1108 is capable of supporting multi-camera installations where LILIN cameras are installed, and NAV delivers a solid surveillance platform with offering all the basic features, as well as some of the more advanced ones that a basic security system requires.
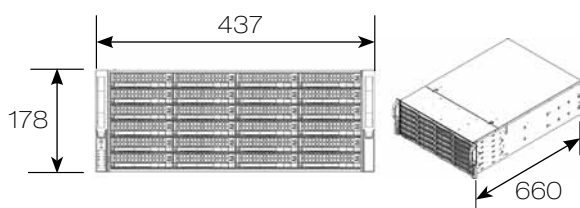
ePTZ feature and ePOS integration are also provided for free of charge. The maximum video speed can perform 3,840X2,160 at 30 frames per second, and support up to 6 monitors for TV Wall. Keyboard is controllable via RS-485 for PTZ, ePTZ, and ROI region of interest features. Two-way audio and recording are available.

FEATURES :

- ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs are supported.
- Up to 108 channels 1080P/3M/5M/8M Network streaming, recording, and display
- 4U 19" chassis, built-in hardware RAID system, support up to 24 x 3.5" hot-swap HDDs.
- Failover, video achieve, record file sync. and SmartSearch support.
- Dual streamings decoding mode supported
- 6 monitors support, up to 108 channels Video display.
- Support multi-channels playback/record file backup for remote or local.
- Built-in dual port Gigabit Ethernet.

DIMENSIONS : (Unit : mm)

178 x 437 x 660

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SPECIFICATION :

Name		NAV 108CH RECORDER
Model		NAV1108
Network video support		ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server
Network video input		Up to 108 channels at 1080P/3M/5M
Network video format		H.264 / MJPEG
Max Network throughput		Max. 500 Mbps download and 500 Mbps upload speed
Raid support		Hot-swap 3.5" SATA HDDx24
Recording	Schedule	7 days x 24 hrs time table, recording mode configurable
Recording mode	Recoring mode	Alarm, motion, schedule, and manual
	Recording speed	Max 8MP 30fps, 5MP 12 fps, 3MP 15 fps, 1080p at 120 fps, and ROI recording supported
	Recording resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240
	Alarm recording	Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)
	Audio recording	Yes
	Circular recording	Yes / size customizable
	Limited recording	Yes / days customizable
	Video archiving	Yes
	Low bitrate recording	Yes
	Remote Network raid	Yes
Playback	Search	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging
	Resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024,1280x768, (720x480 / 720x576), 320x240
	Video speed	Max. 2592x1944 at 12Fps, 2048x1536 at 15Fps, 1080P at 30Fps
	Playback speed	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X / FF: 1/8, 1/4, 1/2, , 1X, 2X, 4X, 8X, 16X, 32X
	Backup	Max. 36 channels, AVI file format supported
	Remote video	NAV Server/Naivgator Client/DVR/NVR/IP camera SD card supported, max. 36 channels
Video input	Support quantity	Max. 108 channels
	Camera name	20 characters
	Channel editing	Mouse drag-n-drop
	Digital zoom	Yes, ePTZ supported
	Grouping	User grouping authentication assignable for eMap, and Navigator 1.0
	Remote monitoring	Yes
Video output	HDMI output	x 2
	DVI output	x 4
	TV wall	6 monitors, max. 108 channels
	Split screen	4, 9, 16, 25, 36
	Dual stream technology	Multi-channel displays D1 and full screen displays 1080P/3M/5M/8M resolution
	Multi-screen	6 screens
Video archiving	Video archiving & sync.	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card.
Alarm / event	Alarm management	alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall
	Alarm recording	pre-alarm:1 – 5 seconds and post-alarm: 5 – 50 seconds
	Event	various alarm log including video loss, stop recording, schedule, logon, operation log
	Digital output	controllable via IP cameras
Accessories	Keyboard	pIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features
	Audio	pCM, Two-way audio, audio recording
	Pos/barcode scanner	rS-232 / PS/2
	Protocols	aRP / TCP/IP / HTTP / SMTP / DNS / PPPoE
	Mobile support	iPhone and Android
	IPScan	supported, easy-to-setup for IP address
Hardware	CPU	Intel® Xeon® processor E5-2620
	RAM	4GB DDR3-1333 x2, extendable up to 128GB
	Chipset	Intel® PCH C602
	Display card	nVidia GT650 or Higher x 1/ nVidia GT650 or Higher x 2 (Optional)
	USB port	USB 2.0x6
	Slim DVD-ROM	x1
	System FAN	80mm hot-swap PWM fans x 3 / 80mm rear exhaust fans x 2
	Raid control	LSISAS2108 RAID / On chip
	Raid mode	RAID 0, 1, 5, 6, 10, 50, and 60
	OS HDD	120GB SATA3 SSD x1
Other	Watch dog	NAV failover / NAV monitoring station
	DST	Daylight saving time by Windows OS
	Language	English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, Simplified Chinese, Czech, Slovene, German
	OS	Windows 7 professional
Power and environment	Power supply	920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp
	Redundant power supply	Redundant power supplies with PMBus
	Operating environment	Operating temperature range 5°C – 35°C (41°F - 95°F), Non-Operating temperature range -40°C – 70°C (-40°F – 158°F) Operating relative humidity range 8% – 90%, (non-condensing), Non-operating relative humidity range 5% – 95% (non-condensing)
	Dimension (HxWxD)	178 x 437 x 660mm
	Color	Black
	Weight	79.3 lbs (36kg)