

NAV16108

NAV 108CH RECORDER

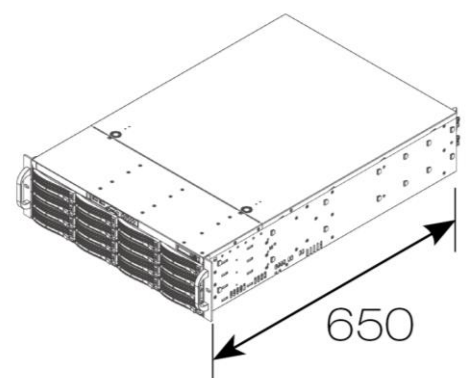
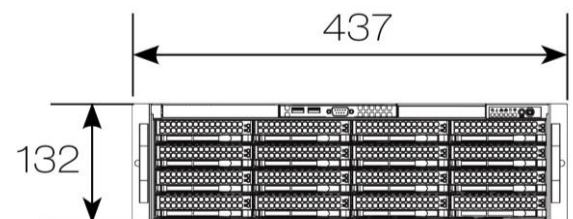


Features

- ▶ ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs are supported.
- ▶ Up to 108 channels 1080P/3M/4M/5M/8M Network streaming, recording, and display
- ▶ Built-in hardware RAID system, support up to 16 x 3.5" hot-swap HDDs.
- ▶ Failover, video achieve, record file sync. and SmartSearch support.
- ▶ Dual streamings decoding mode supported
- ▶ 2 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 in mm):

132 x 437 x 650mm



LILIN NAV16108 108 Channel Recorder supports LILIN IP cameras, PTZ domes, and DVRs/NVRs. The recorder features up to 108 channels 1080P/3M/4M/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. NAV16108 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 2 monitors. Keyboard is controllable via RS-485 for PTZ, ePTZ, and ROI region of interest features. Two-way audio and recording are available.

NAV 108CH RECORDER

NAV 108CH RECORDER	
Model	NAV16108
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/4M/5M/8M
Network video format	H.264 / MJPEG
Max Network throughput	Max. 500 Mbps download and 500 Mbps upload speed
HDD disk	Hot-swap 3.5" SATA HDDx16

Recording	
Schedule	7 days x 24 hrs time table, recording mode configurable

Recording mode	
Recording mode	Alarm, motion, schedule, and manual
Recording speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@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 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps
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/Navigator 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 2.0
Remote monitoring	Yes

Video output	
HDMI output	x 2
DVI output	x 1
TV wall	2 monitors, max. 108 channels
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution
Multi-screen	Dual-screen

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	PS/2
Protocols	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE
Mobile phone	iPhone and Android
IPScan	Supported, easy-to-setup for IP address

Hardware	
CPU	Intel® Core™ i7-6700 Processor
RAM	4GB DDR4-2133 x2, extendable up to 64GB
Chipset	Intel® Q170 Chipset
Display card	Intel® P530
USB port	USB 3.0 x 10
Slim DVD-ROM	x1
System FAN	80mm hot-swap PWM fans x 3 / 80mm rear exhaust fans x 2
Raid control	LSI SAS 9260-4i RAID / On chip
Raid mode	LSI Hardware, RAID 0, 1, 5, 6, 10, 50, 60
SSD HDD	120GB SATA3 SSD x1 (Note: Do not use WD Purple HDDs for NAV HDD installation. Please use 7200RPM WD Red Pro for non-RAID installation, WD Gold Enterprise HDDs for RAID installation, or other Enterprise HDDs.)

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 embedded standard 7

Power and environment	
Power supply	500W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 6.1-2.6 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)	132 x 437 x 650mm
Color	Black
Weight	74.3 lbs (33.7kg)

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