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
- 2U 19" chassis, built-in hardware RAID system, support up to 8 x 3.5" hot-swap HDDs
- Failover, video achieve, and Smart Search support.
- Dual streaming decoding mode supported
- Dual 4K monitors support, up to 108 channels video display
- Support multi-channels playback for remote or local
- Support image archiving mechanisms
- Built-in dual port Gigabit Ethernet
- Provide up to 500Mbps upload network speed and 500Mbps download network speed

Description

LILIN NAV08108 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. It is built-in dual port Gigabit Ethernet, and dual monitors supported. It also supports multi-channels playback for remote or local.NAV08108 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. It supports 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.

Specifications

Model	NAV08108
Supports (Video Input)/Network video support/IP video supports	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server
Input(IP video input)	Up to 108 channels at 1080P/3M/4M/5M/8M
Network video Format	H.264/MJPEG
Maximum Network Throughput	Upload: up to 500Mbps/ Download: up to 500Mbps
Internal HDD	Hot-swap 3.5" SATA HDDx8
Recording schedule	7 days x 24 hrs time table, recording mode configurable
Application/ 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
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

Playback Resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240
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
Back up	Max. 108 channels, AVI file format supported
Remote video (Playback)	NAV Server/Navigator Client/DVR/NVR/IP camera SD card supported, max. 108 channels
Video input (Support quantity)	Max. 108 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Digital zoom	Yes, ePTZ supported
Grouping (Video input)	User grouping authentication assignable for eMap, and Navigator 2.0
Remote monitoring (Video input)	Yes
HDMI output	x 2 up to 3840 x 2160(4K)
Output (Video output)	×1 (DVI-I)
TV Wall	Dual screen, max. 108 channels
Split Screen	4, 9, 16, 25, 36
Dual stream technology (Video output)	Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution
Multi-screen (Video output)	Dual-screen
Video archiving & sync.	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card.
Alarm recording	Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)
Alarm Management	Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall
Alarm recording(Alarm / event)	Pre-alarm:1 – 5 seconds and post-alarm: 1 sec – 59 minutes

Alarm event actions	Various alarm log including video loss, stop recording, schedule, logon, operation log
Digital output	Controllable via IP cameras
Keyboard Keypad	PIH-931D keyboard controllable via rs-485 for PTZ, ePTZ, and ROI features
Audio	PCM, two-way audio, audio recording
POS / barcode scanner/barcoder scanner	PS/2
Protocols	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE/ ONVIF
Mobile phone	iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
CE	Yes
FCC	Yes
CPU	Intel® Core™ i7-6700 Processor
RAM	4G DDR4 x 2
Chipset	Intel® Q170 Chipset
Display card	Intel® HD Graphics 530
USB port	USB 3.0 x 10
System FAN	80mm hot-swap PWM fans x 3 / 80mm rear exhaust fans x 2
Raid control	LSI SAS_9361-8I
Raid mode	LSI Hardware, RAID 0, 1, 5, 6, 10, 50, 60
SSD HDD	120GB SATA3 SSD x1 (We suggest that you use WD Red HDD. Since the WD Purple HDD is not suitable to be used on NAS environment or RAID environment on a PC, WD Red HDD will be your best choice. The WD Datacenter HDD is suitable for a large RAID configuration environment.)
WDT	NAV failover / NAV monitoring station
DST	Daylight saving time by Windows OS

Languages	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persan, Bengali, Vietnamese
OS	Windows 7 embedded standard
Power Consumption	ATX 500W
Power Supply	110V-240V
Operating temperature	0°C-40°C
Storage temperature	-20°C-60°C
Storage Humidity	10%-80% @40°C; non-condensing
Dimensions	437mm x 533.4mm x 88.9mm
Weight	12 Kg