NAV 72CH Recorder

- ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs & NAV are supported.
- Up to 108 channels 1080P/3M/4M/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 archive, record file sync. and SmartSearch support.
- Dual streaming decoding mode supported.
- 4 monitors support up to 36 channels video display.
- Support multi-channels playback/record file backup for remote or local.
- Support image archiving mechanisms.
- Built-in dual port Gigabit Ethernet, RJ-45 × 2
- Redundant Power Supply.
- 4U dimension for standard cabinet.

Audio	PCM, two-way audio, audio recording
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF
OS	Windows 10 Enterprise SAC
CE	Yes
FCC	Yes
Power Consumption	Redundant 1200W Power Supply
Power Supply	110V – 240V
Keyboard Keypad	PIH-931D keyboard controllable via rs-485 to usb converter for PTZ, ePTZ, and ROI features
Alarm event actions	Various alarm log including video loss, stop recording, schedule, logon, operation log
Digital zoom	Yes, ePTZ supported
CPU	Intel® Xeon® E5-2620 v4
Mobile phone	LILINViewer, iPhone and Android
Languages	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
Operating temperature	5°C – 35°C (41°F – 95°F)
Storage temperature	-0°C – 50°C(32°F – 122°F)
Operating humidity	5% – 95% (non-condensing)
Dimensions	177 (H) × 430 (W) × 680 (D) mm
Weight	81.6 lbs (37kg) - Gross
RAM	16GB (2 × DDR4 8GB)
Input(IP video input)	Up to 108 channels 1080P / 3M / 4M / 5M / 8M
Maximum Network Throughput	Upload: up to 500Mbps, Download: up to 500Mbps
Network video Format	H.264 / H.265 / MJPEG
Split Screen	4, 9, 16, 25, 36
Playback Resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240

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Recording speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps, and ROI recording supported
Recording Resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Alarm recording	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (optional)
Audio Recording	Yes
Playback Search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging
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
TV Wall	4 monitors support up to 36 channels video display.(480P 15fps)
Alarm Management	Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall
POS / barcode scanner	TCP-IP / USB 界面
Back up	Max. 36 channels, AVI file format supported
Video Archiving	Yes
IP Scan	Supported, easy-to-setup for IP address
WDT	NAV failover / NAV monitoring station
DST	Daylight saving time by Windows OS
Application/ Recording Mode	Alarm, motion, schedule, and manual
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Digital output	Controllable via IP cameras
Alarm recording(Alarm / event)	Pre-alarm:1 − 10 seconds and post-alarm: 1 sec − 59 minutes
Supports (Video Input)/Network video /IP video	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server
VMS support	Support NAV Client VMS software
Circular recording	Yes / size customizable
Limited recording	Yes / days customizable
Low bitrate recording	Yes
Remote video (Playback)	NAV Server / Navigator Client / DVR / NVR / IP camera SD card supported, max. 36 channels
Video input (Support quantity)	Max. 108 channels
Grouping (Video input)	User grouping authentication assignable for eMap, and Navigator 2.0
Remote monitoring (Video input)	Yes, web and NAV Client
Output (Video output)	2 × HDMI Port, (4096 × 2160@60Hz)

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Dual stream technology (Video output)	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M resolution
Multi-screen (Video output)	4 monitors support up to 36 channels
Video archiving & sync.	Video archiving & sync
Chipset	Intel® C612
Display card	2 × PH-GTX1650 4GB
USB port	6 × USB 3.0
System FAN	1 × 60mm rear exhaust fans
Raid control	LSI SAS 9361-8i RAID
Raid mode	RAID 0, 1, 5, 6, 10, 50
SSD HDD	1 × SATA 500GB SSD (OS System) 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.
DVI / VGA output	2 × DVI-D Port, (1920 × 1080@60Hz)
Audio (Hardware)	5 × Audio jack(s), 1 × S/PDIF
Rear panel USB port	6 × USB 3.0
Hot spare	support
NAS	Yes
eMap	Yes
Daylight Saving	Daylight saving time by Windows OS
System integration	TCP-IP / USB interface