NAV16630

NAV Recorder

LILIN NAV16630 Recorder supports all series of LILIN product such as LILIN IP cameras, PTZ ,IP cameras, DVRs and NVRs. This recorder can support up to 128 channels of 1080P/3MP/4MP/5MP/8MP/12MP resolution for recording.

Supports up to 16 × 3.5" hard drives with Hardware RAID, Failover, and Dual-Stream modes.Supports multi-channel synchronized playback and video archiving. Supports dual displays with up to 64 channels displayed simultaneously at 480P/15fps.

NAV16630 is capable of supporting continuous and schedule recordings. Various alarm detections including motion, audio, IVS, and ANPR (Optional) for triggering various alarm outputs. NAV16630 also supports up to 1080P with 120FPS and 4K 30FPS video streams.

NAV Navigator is able to create and add permission to the groups. It supports LDAP/AD user management and works with multiple external alarm systems. It is compatible with ONVIF Profile S for the third party cameras. The corridor mode in the live image is supported which increases the monitoring area in vertical narrow and long environment.

128CH ONVIF

- H.265/H.264/MJPEG Video format
- Dual streaming decoding mode supported
- Up to 128CH Recording (license required)
- 64CH Display (Dual-screen 480P 15fps)
- Support up to 16 × Hot-swap 3.5 Inch SATA HDD (recording)
- Support RAID 0, 1, 5, 6, 10, 50
- Support failover up to 36 channel per server
- Support AI IP camera
- Support multi-channels synchronized playback (remote or local)
- Support Fisheye camera dewarping
- Built-in 2.5GbE Ethernet port
- Built-in 800W Redundant 1+1
- 3U dimension for rackmount cabinet



Specs

NAV16630

Basic Spec	
Network video support	LILIN IP camera, LILIN IP camera over HTTPS, LILIN Fisheye camera, LILIN IP speed dome, LILIN DVR/ NVR, LILIN DHD recorder, NAV live streaming, P2P live streaming, ONVIF camera, manual RTSP, screen capture, USB video input, picture capture
Chassis	3U Chassis
Network video input	Up to 128 channels 1080P / 3M / 4M / 5M / 8M / 12M (license required)
Paired with AI IPCAM	Up to 64 channels
Network video format	H.264 / H.265 / MJPEG
Maximum network throughput	Upload: up to 1250Mbps Download: up to 1250Mbps
Internal HDD / Swap Drive Bay	built-in 1 × 256GB SSD (OS) Support up to 16 × Hot-swap 3.5 Inch SATA HDD (recording)

Video input	
Support quantity	Max. 128 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Fisheye Dewarp Mode	Ceiling and ground mounted, 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 360, 2 P Two Panoramics 180, 8 R1O Eight Regions One Fisheye, Wall mounted, 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 180, 1 WP One Wall Panoramic 180, 8 R1O Eight Regions One Fisheye
Digital zoom	Yes, ePTZ supporte
Privacy Mask	Supported
Remote monitoring	Yes, web and NAV Client

Video output	
HDMI output	1 × HDMI Port (4096 × 2160)
DVI output	No support
VGA output	No support
DisplayPort output	1 × DisplayPort (4096 × 2160)
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M / 12M resolution
Multi-screen	2 monitors support up to 64 channels in total (480P 15fps 1M)

Recording mode	
Recording mode	Alarm, motion, schedule, and manual
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Recording resolution & framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps,3MP@30fps, 1080p@120fps, and ROI recording supported
Motion recording	64ch
Alarm recording	Remote Alarm Input, Remote Motion / Tripwire Detection, Tamper Detection, External I/O Devices, Motion Detection, NAV Alarm Input Commands, Speed Detection, License Plate Recognition, Face Recognition, Remote License Plate Recognition, QR Code Detection, AIDA Behavior Detection
Audio recording	Yes
Circular recording	Yes / size customizable
Limited recording	Yes / days customizable
Failover	Supported
Video archiving	Yes
Low bitrate recording	Yes
Remote network NAS	Support NAS (SMB/CIFS), iSCSI

Playback	
Playback search	Date, time, Smart search, Alarm search, POS, ANPR search,Face search, Face trace search (in FR server only), Tagging search
Playback resolution and framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps,3MP@30fps, 1080p@120fps
Playback speed	Fast Rewind: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X FastForward: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X
Backup / Video input	Max. 36 channels, AVI & MP4 file format supported
Remote video	NAV Server / Navigator Client / DVR / NVR / IP camera SD card supported up to 36 channels

Alarm / event	
Alarm management	Play audio file, send email notification, PTZ preset, digital output triggering, full screen, post alarm record, pre-alarm record, advanced alarm digital output, send customizable HTTP POST CGI URL to third party device, Alarm ACK, alarm snapshot, text overlay, App cloud push notification, NCC TV wall ACK, NCC eMap Center Alarm, NCC play sound, NCC global alarm setting, NCC Incidental Event Manager, NCC Alarm Screen NCC Alarm Counter
Alarm recording	Pre-alarm:1 ~ 10 seconds and Post-alarm: 1 sec ~ 59 minutes
Alarm Scheduling	Up to four alarm tables with AND logic
Alarm event actions	Various alarm log including video loss, stop recording,schedule, logon, operation log
Digital output	Controllable via IP cameras

Video archiving	
Video archiving & sync	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server / NVR / DVR / IP camera SD card.

Accessories	
Keyboard	PIH-931D keyboard controllable via rs-485 to usb converter for PTZ, ePTZ, and ROI features
Audio	PCM/G.711/AAC, two-way audio, audio recording
POS	Third party TCP/IP/ RS-232 / HID USB Barcode scanner
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE / SDDP
Mobile support	LILIN Pro&Home, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client software
eMap	Supported

Hardware	
CPU	Intel® Core™ i5
RAM	32GB DDR5
Display card	Intel® UHD Graphics
Ethernet Ports	2 × 2.5GbE
Audio	3 × Audio jack(s)
Front panel USB port	2 × USB 3.0
System fan	3 × System Cooling
Hot spare	support
RAID Control	MegaRAID SAS 9361-8i
RAID Mode	RAID 0, 1, 5, 6, 10, 50
SSD / HDD	Built-in 1 × 256GB SSD (OS) Support up to 16 × Hot-swap 3.5 Inch SATA HDD(recording).

Other	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese, Polish
OS	Windows 11 Pro
DST	DST Daylight saving time by Windows OS

Power and environment	
Power supply	800W 1+1 Redundant Power Supplies, 80 PLUS Platinum Certifed
AC Input	110-127 / 200-240Vac 50-60Hz
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	133(H) × 430 (W) × 680(D) mm
Weight	41.88 lbs (19.0kg) - Net Weight