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## NVR 2400 Standalone RAID Storage System Network Video Recorder



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### Features

- 16 Channel network camera Input
- Up to 1080P 60 FPS network camera support
- Network redundancy supported
- Internal HDD up to 48TB supported
- RAID 0 / 1 / 5 supported
- External e-SATA storage supported, up to 32TB
- HDMI and VGA output up to 1920×1080P
- Multi-touch screen support
- Mobile phone ( iOS, Android ) solutions provided

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### Description

LILIN NVR2400 is a 16-Channel IP standalone Network Video Recorder offering 32TB external storage for recording. Touch screen, mouse, LILIN twist zoom keyboard or IR remote control, easy to navigate menus are provided. Motion detection, weighted and scheduled recording. Audio recording and playback, WS discovery for easy network discovery. NVR2400 supports USB, network backup, and HDMI output. Full NAV support, web-based remote viewing & iPhone and Android support. The NVR2400 is unique, touch-screen interface takes advantage of highly intuitive smartphone-style features like "pinch-n-zoom," multi-touch and scrolling, and icon based menus, deliberately avoiding traditional PC-style screens.

## Specifications

Model	NVR2400 (non-Hisilicon)
Supports (Video Input)/Network video /IP video	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / NAVIGATOR 2.0
Input(IP video input)	16CH
Resolution( IP video input )	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M
Maximum Frame Rate ( IP video input )	400 FPS
Output (Video output)	1080P
HDMI output	1080P
Split Screen	1 / 4 / 8 / 9 / 13 / 16, sequence mode, freeze
Digital zoom	Up to 64X on live and playback
Multi-touch	Support USB multi-touch Screen
Backlight saving	Adjustable idle time 30 - 60 sec.
Network video Format	H.264
Maximum Network Throughput	48Mbps
Recording Resolution	CIF - 3M
Frame Rates	Single channel up to 1080P 60 FPS
Application/ Recording Mode	Manual, schedule( continue, event, none)
Recording schedule	Each channel 7day × 24 hours time table, recording mode configurable
Alarm event actions	Motion grid (20×12, multi-level sensitivities) / network camera event / DI
Alarm Notification (Recording)	Alarm notification iOS, android / E-Mail / FTP / buzzer / DO
Playback Search	Alarm event / Operation event / System event / Meta data event / Time search
Playback Display	16CH synchronous playback
Playback Split screen display	400FPS

Playback Resolution	CIF - 3M
Max. frame rate (Playback)	Up to 1080P 60FPS
Playback Speed	Fast rewind 2× - 64× / Fast forward 2×- 64× / Step Forward
Internal HDD / Swap Drive Bay	8 × 3.5" HDD (Up to 6TB supported)
RAID	"RAID Controller × 2, each controller control 4 HDDs, available combination as below: RAID 1 : 2HDDs installed, HDD 1st and 2nd be a RAID, and another 1HDD for spare is available(3HDDs) RAID 5 : 4 HDDs installed, support 1 HDD to be spare(3 HDDs RAID5 , 1 HDD spare), or 4HDDs RAID5 "
eSATA	eSATA connector × 2, up to 32TB external storage supported( each 16TB )
USB Flash Disk(Backup)	Up to 32 GB supported
Network Backup	HTTP / FTP
Back up	USB Flash Disk Up to 32 GB ; Network : Via HTTP / FTP ; DVD/RW : External USB DVD/RW
Line Input	16 CH(network camera), G.711 8K
Network ports	RJ-45 X 2 (Gigabit Ethernet X 1, 100Mbps X 1), ethernet failure redundancy supported
Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ Onvif Profile S
Web (Network)	Direct internet browser access / Multiple users access
Mobile phone	iOS / Android supported
IP Scan	WS-Discovery and IP Scan, Automatically quick IP address setup for network cameras
VMS support	NAVIGATOR
Backup / Playback (Software)	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback
Ports(Alarm)	DI × 2 and DO × 2 ( NO / NC )

Reports( System )	Alarm event, operation and configuration full reports exporting over HTTP or USB
Authentication	User authentication with feature configurable
Languages	English, Traditional Chinese, German, Italian, Portuguese, Spanish, French, Turkish, Hungarian, Polish, Russian, Arabic, Simplified Chinese
HDD Inspection(System)	S.M.A.R.T monitoring / File system de-fragmentation
Recording day	Automatic recording day calculator
Time	Daylight saving / NTP / External USB GPS time sync / Keyboard
USB to RS-232	Record external metadata via USB to RS-232 cable, display at live and playback
PTZ protocol	HTTP / ONVIF
Remote Controller	Remote controller addressable up to 255 NVRs
Mouse	Mouse click, drag and scroll
Audio Output	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Keyboard Keypad	PIH-931D keyboard
CPU	ARM Cortex A9 800 MHZ
WDT	Hardware watchdog timer
Power Supply	Dual redundant power supply, Adapter DC 12V, 10A, 120W × 2( need additional option )
Operating temperature	Temp : 0°C - 45°C
Operating humidity	Humidity : 5% - 80%
OS	Embedded Linux Kernel 2.6
Dimensions	433× 411× 88 mm
Weight	5 Kg ( w/o HDD )