



## NVR1400

### Standalone RAID Storage System Network Video Recorder



The latest NVR network video recorder series NVR1400 released by LILIN can be connected to network cameras and has a built-in hard disk array storage system (RAID) solution. Data security. Ensuring that all recorded data is not easily lost due to hard disk damage, and multiple network security (network redundancy) security mechanisms ensure the integrity of the recorded data. The NVR1400 can input 16 network encoding devices, provides 48 Mbps network bandwidth, and supports 3 million pixel resolution recording. Users can quickly find the correct historical recording image using the timeline and event search functions.

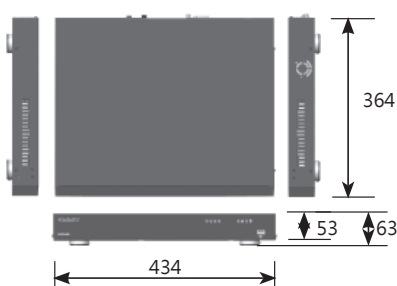
NVR1400 network video recorder support up to 4 hard disk 6TB, external eSATA storage device for long-term recording. Supports multi-touch screen, remote control, 931D keyboard, mouse and other control interfaces. NVR1400 network video recorder supports various flexible backup methods such as USB, HTTP, FTP, network computer and so on. With LILIN NAV VMS central image management software, you can fully access NVR recording data, system records, etc. and integrate with other LILIN network devices. Smartphones (iOS, Android) can support remote video surveillance. Users do not need to connect a PC or additional software. The NVR1400 can work with different network environments to complete the setup.

#### FEATURES :

- 16 Channel network camera Input
- Up to 3mega pixel H.264 network camera support
- Up to 1080P 60 FPS network camera support
- Network redundancy supported
- Internal HDD up to 6TB supported
- Software RAID 1/5 supported
- External e-SATA storage supported, up to 16TB
- HDMI and VGA output up to 1920×1080P
- Multi-touch screen support
- Mobile phone ( iOS, Android ) solutions provided

#### DIMENSIONS : (Unit : mm)

434 × 364 × 53 mm



## SPECIFICATION :

|                               |  |  |
|-------------------------------|--|--|
| Name                          | NVR 1400 Standalone RAID Storage System Network Video Recorder |  |
| Models                        | NVR1400  |  |
| IP video input                | Supports   | Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator   |
|                               | Input  | 16 CH  |
|                               | Resolution   | 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF   |
|                               | Maximum Frame Rate   | 400 FPS  |
| Video output                  | Output   | HDMI / VGA 1080P   |
|                               | Split Screen   | 1 / 4 / 8 / 9 / 13 / 16, sequence mode, freeze   |
|                               | Digital Zoom   | Up to 64× on live and playback   |
|                               | Backlight Saving   | Adjustable idle time 30 – 60 sec.  |
|                               | Multi-touch  | Support USB multi-touch screen   |
| Recording                     | Encode Format  | H.264  |
|                               | Maximum Network Throughput                                     | 48Mbps   |
|                               | Resolution   | CIF ~ 3M   |
|                               | Frame Rate   | Single channel up to 1080P 60 FPS record   |
|                               | 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   |
| Playback                      | Alarm Notification   | Alarm notification iOS \ android / E-Mail / FTP / buzzer / DO  |
|                               | Search   | Alarm event / Operation event / System event / Meta data event / Time search   |
|                               | Display  | 16CH synchronous playback  |
|                               | Max. Division Display  | 400FPS   |
|                               | Resolution   | CIF ~ 3M   |
|                               | Max. Frame Rate  | Up to 1080P 60FPS  |
| Storage                       | Speed  | Fast rewind 2× ~ 64× / Fast forward 2× ~ 64× / Step Forward / Slow motion 1/2 ~ 1/16   |
|                               | Internal HDD / Swap Drive Bay                                  | 4 × 3.5" HDD (Up to 6TB supported)   |
|                               | RAID   | RAID 1 : 2 HDDs installed, HDD 1st. and 2nd be a RAID, and another 1HDD for spare is available(3HDDs)<br>RAID 5 : 4 HDDs installed, support 1 HDD to be spare(3 HDDs RAID5 , 1 HDD spare), or 4 HDDs RAID5 |
| Backup                        | eSATA  | eSATA connector × 1 (Up to 16TB extern storage supported)  |
|                               | USB Flash Disk   | Up to 32 GB supported  |
|                               | Network Backup   | Via HTTP / FTP / Network Places  |
| Audio                         | DVD DVD/RW   | External USB DVD / RW  |
|                               | Audio Input  | 16 CH (Network camera), G.711 8K   |
| Network                       | Audio Output   | RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)  |
|                               | Ports  | RJ-45×2 (Gigabit Ethernet X 1 and 100Mbps X 1) ethernet failure redundancy supported   |
|                               | Protocols  | TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP / RTCP / RTSP / SDDP / ONVIF Profile S  |
|                               | Web  | Direct internet browser access / Multiple users access   |
|                               | Mobile Phone   | iOS / Android supported  |
|                               | P2P  | APP scan QR Code / UID connection  |
|                               | RTSP Service   | RTP UDP/ RTSP TCP supported  |
|                               | IPScan / WS-Discovery  | WS-Discovery and IP Scan, automatically quick IP address setup for network cameras   |
| Software                      | Web access   | Live / playback / backup / menu configuration / event log  |
|                               | VMS  | Navigator  |
| Alarm                         | Backup / Playback  | Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback  |
|                               | Alarm/event (Ports)  | DI × 2 and DO × 2 (NO/NC)  |
| System                        | Reports  | Alarm event, operation, configuration and system execution log full reports exporting over HTTP or USB   |
|                               | Authentication   | User authentication with feature configurable  |
|                               | Language   | Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish  |
|                               | HDD Inspection   | S.M.A.R.T monitoring / File system de-fragmentation  |
|                               | Recording Day  | Automatic recording day calculator   |
| Accessories                   | Time   | Daylight saving / NTP / External USB GPS time sync / Keyboard  |
|                               | PTZ Protocols  | HTTP / ONVIF   |
|                               | Keyboard   | PIH-931D keyboard input  |
|                               | USB to RS-232  | Record external metadata via USB to RS-232 cable, display at live and playback   |
|                               | Remote Control   | Remote controller addressable up to 255 NVRs   |
|                               | Mouse  | Mouse click, drag and scroll   |
| Others                        | USB GPS Receiver   | Support  |
|                               | CPU  | ARM Cortex A9 800 MHz  |
|                               | OS   | Embedded Linux Kernel 2.6  |
|                               | WDT  | Hardware watchdog timer  |
|                               | CE   | Yes  |
| Power and working environment | FCC  | Yes, EMI Class A   |
|                               | Power  | Dual redundant power supply, Adapter DC 12V, 7A, 84W × 2 (Optional)  |
|                               | Working Env.   | Temp : 0°C ~ 45°C / Humidity : 5% ~ 80%  |
|                               | Dimension (W×L×H)  | 434× 364× 53 mm  |
|                               | Weight   | ≈4.7 KG (Without hard drive)   |
|                               | Warranty   | 3 Year(s)e)  |