

1.0 Manufacturer

MERIT LILIN ENT. CO. LTD
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2.0 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.

Manufacturer shall warrant the NVR2400, NVR Series, to be free from defects in material and workmanship for three years from the installation date.

3.0 General Specifications

NVR shall support frame rate of single channel up to 1080P 60 FPS.
NVR shall support 400 FPS maximum frame rate.
NVR shall support 1 / 4 / 8 / 9 / 13 / 16, sequence mode, freeze at split screen.
NVR shall support USB multi-touch screen.
NVR shall support H.264 network video format.
NVR shall support 48 Mbps maximum network throughput.
NVR shall support up to 64X on live and playback at digital zoom.
NVR shall support network camera, ONVIF Profile S, DVR, NVR, video encoder, Navigator.

NVR shall support CIF - 3M recording resolution.
NVR shall support manual, schedule recording.
NVR shall support recording schedule with each channel 24 hours 7 days time table, recording mode configurable.
NVR shall support automatic recording day calculator.

NVR shall support alarm event actions for DI × 2 and DO × 1 (NO / NC), motion grid, network camera event, DI.
NVR shall support IOS, Android, email, FTP, buzzer, DO alarm notification recording.
NVR shall support DI × 2 and DO × 2 NO / NC.
NVR shall support alarm event, operation and configuration full reports exporting over HTTP or USB.

NVR shall support playback search for alarm event, operation event, system event, meta data event, time search.
NVR shall support 16ch synchronous playback display.
NVR shall support 400FPS playback split screen display.
NVR shall support CIF - 3M playback resolution feature for live monitoring and video playback.
NVR shall support up to 1080P 60 FPS playback max frame rate
NVR shall support fast rewind 2× ~ 64× / fast forward 2× ~ 64× / step forward playback speed.

NVR shall support Internal HDD 8 × 3.5" HDD, up to 6TB supported.
NVR shall provide eSATA connector × 2, with up to 32TB external storage supported, each 16TB.
NVR shall support software RAID 0 / 1 / 5 and Hot Spare.
NVR shall support S.M.A.R.T monitoring, file system de-fragmentation.
NVR shall support USB flash disk backup, up to 32 GB supported .

NVR shall support network backup via HTTP / FTP.
NVR shall support external USB DVD/ RW
NVR shall support remote playback manager, backup, multiple NVRs file download and multi-channel playback.

NVR shall support 1080P HDMI output.
NVR shall support audio input of 16 ch network camera, G.711 8K.
NVR shall support audio output of RCA × 1 (0.7Vp-p, 300 Hz to 3 KHz).

NVR shall provide network ports of RJ-45 X 2 (Gigabit Ethernet X 1, 100Mbps X 1), Ethernet failure redundancy supported.
NVR shall support direct internet browser access and multiple users access.
NVR shall support ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S protocols.
NVR shall support PTZ protocol via HTTP / ONVIF.

NVR shall support IOS / Android.
NVR shall support WS-Discovery and IP scan, automatic quick IP address setup for network cameras.
NVR shall support Navigator.
NVR shall provide user authentication with feature configurable.
NVR shall support English, Traditional Chinese, German, Italian, Portuguese, Spanish, French, Turkish, Hungarian, Polish, Russian, Arabic, Simplified Chinese.

NVR shall support daylight saving, NTP, external USB GPS time sync, keyboard.
NVR shall support record external metadata via USB to RS-232 cable, display at live and playback.
NVR shall support remote controller addressable up to 255 NVRs.
NVR shall support mouse click, drag and scroll.
NVR shall support PIH-931D keyboard input, optional.

NVR shall provide CPU of ARM Cortex A9 800 MHZ.
NVR shall provide OS of embedded Linux Kernel 2.6.
NVR shall provide WDT of hardware watchdog timer.
NVR shall support backlight saving with adjustable idle time 30 ~ 60 sec.
NVR shall provide power supply of dual redundant, adapter DC 12V, 10A, 120W × 2 (optional).
NVR shall work within operating temperature of 0°C ~ 45°C.
NVR shall work within operating humidity of 5% ~ 80%.
NVR shall not exceed dimensions of 433 × 411 × 88 mm.
NVR shall not exceed weight of 5 kg without hard drive.

4.0 Installation

All equipments shall be tested and configured based on the manufacturer guide line prior to installation
All the products shall be updated for the latest firmware.
All the products shall be changed for the default username and password prior to installation.

5.0 Environmental Green Policy

The specified camera shall be manufactured in accordance with ISO 14001.
The specified camera shall be compliant with the EU directives RoHS and WEEE.
The specified camera shall be compliant with the EU regulation REACH.

END OF SECTION