

1.0 Manufacturer

MERIT LILIN ENT. CO. LTD
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2.0 Description

LILIN NVR3816 is a 16-channel NVR designed for various recording applications.

The system is equipped with an ARM Cortex A9 Dual-core processor with maximum recording throughput at 144 Mbps, and with two external eSATA connector ports for additional expansion up to 32TB.

Setup of parameters such as IP address and basic IP camera configuration can easily be performed with LILIN setup wizard – IP Scan and WS-Discovery, making the NVR3816 the easiest NVR system to use.

With local VGA and HDMI display (with Full HD resolution at 1,920 x 1,080) and mouse and keyboard input available, configuring LILIN NVR is simple – an answer to meet most SMB owners' security needs.

Manufacturer shall warrant the NVR3816, 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 480 FPS maximum frame rate.

NVR shall support 1 / 4 / 8 / 9 / 13 / 16 split division, sequence mode, freeze at split screen.

NVR shall support H.264 network video format.

NVR shall support 96 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 - 5M 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 motion grid, network camera event, DI.

NVR shall support IOS, Android, email, FTP, buzzer, DO alarm notification recording.

NVR shall support DI × 16 and DO × 4 with programmable condition.

NVR shall support alarm event, operation, configuration and system execution log 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 CIF - 5M 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 / slow motion 1/2 ~ 1/16 playback speed.

NVR shall support Internal HDD 8 × 3.5" HDD, up to 8TB supported.

NVR shall provide eSATA connector × 2 with up to 32TB external storage supported, each 16TB.

NVR shall support S.M.A.R.T monitoring, file system de-fragmentation, IO read write error.

NVR shall support USB flash disk backup, up to 32 GB supported.

NVR shall support network backup via HTTP / FTP / Network Places.

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 spot monitor to HDMI or VGA selectable (spot or sync.).

NVR shall support HDMI / VGA 1080P, CVBS.

NVR shall support audio input of 16 ch network camera, G.711 8K.

NVR shall support audio output of RCA × 1.

NVR shall support Mic. input of RCA × 1.

NVR shall provide RCA × 1 line output.

NVR shall support network camera two way audio / IP camera 2-way audio.

NVR shall have WiFi and 4G external USB dongle supported.

NVR shall provide network ports of RJ-45 Gigabit Ethernet × 2, Ethernet failure redundancy or sharing supported.

NVR shall support direct internet browser access and multiple users access.

NVR shall support ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S protocols.

NVR shall support PTZ protocol via Network HTTP / ONVIF, RS-485 × 1, MLP1, MLP2, PELCO D, PELCO P.

NVR shall support IOS / Android.

NVR shall support RTP UDP / RTSP TCP.

NVR shall support WS-Discovery and IP scan, automatic quick IP address setup for network cameras.

NVR shall support P2P of APP scan QR Code, UID connection.

NVR shall support Navigator.

NVR shall provide user authentication with feature configurable and IP address blocking.

NVR shall support Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish.

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 provide 12V / 1A output × 1.

NVR shall support remote controller addressable up to 255 NVRs.

NVR shall support mouse click, drag and scroll.

NVR shall support USB mic, optional.

NVR shall support PIH-931D keyboard input, optional.

NAV shall be compliant with CE certification.

NAV shall be compliant with FCC certification.

NVR shall provide CPU of ARM Cortex A9 Dual Core.

NVR shall provide OS of embedded Linux Kernel 3.0.

NVR shall provide WDT of hardware watchdog timer.

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 438 × 450 × 88 mm.

NVR shall not exceed weight of 7 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