

1.0 Manufacturer

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2.0 Description

NVR5416 standalone NVR is a new generation of professional NVR series from LILIN. The NVR5416 supports up to 16 Ultra HD 4K IP cameras. Ultra HD (4K or 8 megapixels) is four times clearer than 1080p. Additional pixels allow you to see more details. The NVR5416 supports four 8TB hard drives. Through LILIN IPScan and WS-Discovery feature software, you can quickly connect the camera to the recorder, making the NVR5416 network video recorder easier to use. NVR5416 is mainly used in the high-end megapixel surveillance market, such as medium and large enterprises and factories, restaurants, retail chains and intelligent buildings.

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 96Mbps 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- 4K 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 × 1 with programmable condition.
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 CIF - 4K 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 4 × 3.5" HDD, up to 8TB supported.
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 2.0 4K 60P / VGA 1080P.
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 support network camera two way audio / IP camera 2-way audio.

NVR shall have WiFi and 4G external USB dongle supported (Certified brand only).
NVR shall provide network ports of RJ-45 Gigabit Ethernet × 1.
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 / SNMP / ONVIF Profile S protocols.
NVR shall support PTZ protocol via HTTP / ONVIF.

NVR shall support IOS / Android.
NVR shall support RTP UDP / RTSP TCP.
NVR shall support Network camera plug and play via PoE port, otherwise WS-Discovery and IP Scan, automatically quick IP address setup for network cameras also available.
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 support remote controller addressable up to 255 NVRs (optional).
NVR shall support mouse click, drag and scroll.
NVR shall support USB mic, optional.
NVR shall support PIH-931D keyboard input, optional.

NVR shall provide CPU of ARM Cortex A9 Dual Core.
NVR shall provide OS of embedded Linux Kernel 3.18.20.
NVR shall provide WDT of hardware watchdog timer.

NVR shall provide power supply of Adapter DC 12V, 7A, 84W × 1.
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 360 × 316 × 60 mm.
NVR shall not exceed weight of 2.4 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