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## 32 CH 1U 16 PoE 4K NVR



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## Features

- 32 Channel H.264/H.265 network camera Input
- Up to 4K H.264/H.265 network camera support
- Up to 1080P 120 FPS network camera support
- Internal HDD up to 12TB supported
- HDMI 2.0 4K 60P / VGA 1080P output
- P2P QR code UID connection for APP and Navigator
- HDMI / VGA main or spot monitor switch
- Network maximum input through up to 240Mbps
- Mobile phone ( iOS, Android ) solutions provided
- 16 Port PoE, automatic network camera plug and play
- Chrome, Edge, Firefox, IE, Opera, Safari supported

### Alternative models

- NVR6216E

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## Description

The NVR5416E standalone NVR is the next generation of LILIN professional PoE NVR series. No IP addresses' configuration for cameras is needed. The NVR5416E is built-in PoE for powering 16 PoE cameras. The NVR5416E supports up to 32 channels Ultra HD (4K) camera recording that the Ultra High Definition, 4K or 8 Megapixels video is four times clearer than traditional 1080p. Along with its low power consumption and all-in-one sleek design, the NVR5416E provides users a simple, affordable yet professional solution for megapixel surveillance in the mainstream markets such as SMBs, retail, hospitality, and intelligent buildings.

## Specifications

Model	NVR5416E (Limited Stock)
Supports (Video Input)/Network video /IP video	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input(IP video input)	32 CH
Resolution( IP video input )	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M / 5M / 4K
Maximum Frame Rate ( IP video input )	960 FPS
Output (Video output)	HDMI 2.0 (4K 60P) / VGA 1080P
Spot monitor (Video Display)	HDMI or VGA selectable (Spot or sync.)
Split Screen	1 / 4 / 8 / 9 / 13 / 16 / 25 / 32 split division, sequence mode, freeze
Digital zoom	Up to 64× on live and playback
Network video Format	H.264/H.265
Maximum Network Throughput	240Mbps
Recording Resolution	CIF ~ 4K
Frame Rate	Single channel up to 1080P 120 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

Metadata options	<p>POS</p> <p>RFID AND PIN CONTROLLER</p> <p>USER DEFINED 2</p> <p>BARCODE SCANNER</p> <p>GPS</p> <p>LPR (Denial, Allowed, Visitor)</p>
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	32CH synchronous playback
Playback Resolution	CIF ~ 4K
Max. frame rate (Playback)	Up to 1080P 120FPS
Playback Speed	Fast rewind 2x ~ 64x / Fast forward 2x ~ 64x / Slow motion 1/2 ~ 1/16
Internal HDD / Swap Drive Bay	1 × 3.5" HDD (Up to 16TB supported), Compatibility List <a href="https://www.meritlilin.com/compatiblelist/nvr1dvr3en.html">https://www.meritlilin.com/compatiblelist/nvr1dvr3en.html</a>
USB Flash Disk(Backup)	Up to 128 GB supported
Network Backup	Via HTTP / FTP / Network Places
DVD DVD/RW(Backup)	External USB DVD / RW
Audio Input	32 CH (Network camera), G.711 u-law 8K & AAC
Audio Output	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Network Camera Two Way Audio / IP camera 2-way audio	Yes
Network ports	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 16 (802.3af)
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ ONVIF Profile S
Web (Network)	Direct internet browser access / Multiple users access

Mobile Application	iOS / Android supported
P2P(Network)	APP scan QR Code / UID connection
RTSP service	RTP UDP/ RTSP TCP supported
IPScan / WS-Discovery( Network )	Network camera plug and play via PoE port, otherwise WS-Discovery and IP Scan, automatically quick IP address setup for network cameras also available
Network	Live / playback / backup / menu configuration / event log
VMS support	Navigator
Backup / Playback (Software)	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback
Digital watermark (Video tamper resistance)	support digital watermark feature to ensure the backup footage is not got forged and modified
Ports(Alarm)	DI × 16 and DO × 1 (With programmable condition)
Reports( System )	Alarm event, operation, configuration and system execution log full reports exporting over HTTP or USB
Authentication ( System )	User authentication with feature configurable and IP address blocking
Languages	Arabic, Chinese (Traditional) , Chinese (Simplified) , English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish
HDD Inspection(System)	S.M.A.R.T monitoring / File system de-fragmentation/ IO read write error
Recording day	Automatic recording day calculator
Time	Daylight saving / NTP / External USB GPS time sync / Keyboard
PTZ protocol	HTTP / ONVIF
Keyboard Keypad	PIH-931D keyboard input (Connector box required)
USB to RS-232	Record external metadata via USB to RS-232 cable, display at live and playback

Remote Controller	Remote controller addressable up to 255 NVRs (optional)
Mouse	Mouse click, drag and scroll
Microphone	USB Mic optional
Wi-Fi Dongle	WiFi and 4G external USB dongle supported (Certified brand only)
USB GPS Receiver	Support
CE	Yes, EMI Class B
FCC	Yes, EMI Class B
CPU	ARM Cortex A7 Dual Core
OS	Embedded Linux Kernel 3.10
WDT	Hardware watchdog timer
Power Supply	AC 100 ~ 240V 3.5A ~ 1.7A 60 ~ 50HZ 280W (Max) for HDDs and cameras
Operating temperature	0°C ~ 45°C
Operating humidity	5% ~ 80%
Dimensions	435 × 420 × 44 mm
Weight	≈5.5 KG (Without hard drive)