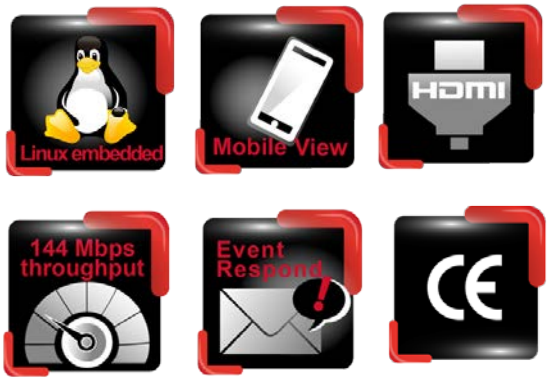
NVR series | Network Video Recorder

NVR3416R

www.meritlilin.com

16CH 5MP 19”1U Rackmount Standalone Network Video Recorder

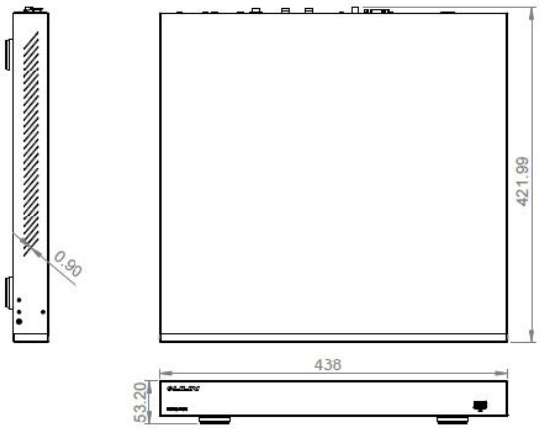


- 16 Channel H.264 network camera Input
- Up to 5 MP H.264 network camera support
- Up to 1080p 60 FPS network camera support
- Ethernet failure redundancy or sharing supported
- Up to 8TB HDD supported
- External e-SATA storage supported
- HDMI / VGA 1080P output
- HDMI / VGA main or spot monitor switch
- Mobile phone (iOS, Android) solutions provided
- Network maximum input through up to 96Mbps
- 19”1U Rackmount
- Chrome, Edge, Firefox, IE, Opera, Safari supported

NVR3416R is a LILIN’s 16CH NVR, suitable for different environment. With ARM Cortex A9 dual-core processor, the network output is up to 144 Mbps (upward output is up to 96Mbps and download output is 48Mbps). Through LILIN’s IPScan and WS-Discovery software, users will be able to constantly connect NVR3416R with the IP camera, simplifying its usage. It also features with VGA and HDMI Output (Full HD, 1,920 x 1,080), and packed with a mouse and a keyboard. It is definitely the first and best choice for middle-sized enterprise when choosing NVR product.

Dimensions (unit in mm):

435 × 420 × 44 mm



Product Features

NVR3416R

Adapted to ONVIF-compliant IP cameras

NVR3416R is an easy-to-install Linux based standalone HD solution for recording ONVIF compatible cameras

P2P

P2P is an easy-to-use service that allows users to access a LILIN NVR by simply scanning a QR code with your smartphone camera. With P2P, you will no longer set up port forwarding in the router, and the use of a P2P driver enables you to access two-way audio, video playback, IO control, and even PTZ control.

Instant Notifications

When an event occurs and the alarm recording is enabled, an alarm icon will be shown instantly on the monitored display

Email Notification

LILIN NVR can send email notification with JPEG snapshots as an attachment to one or more recipients in case of any event.

Timeline-based Search

Search can be performed to available recorded videos on the basis of channel number, recording type and timeline of the event.

Plug-n-play Device

An automated installation wizard, *IPScan* and *WS Discovery*, can locate all the cameras on the network and import a preview picture of each channel to help with identification.

Streams and Records up to 16 IP Cameras

Remote monitoring in NVR3416 allows you to check the live feeds from all surveillance cameras at any time, making sure your property and staff are safe and well protected.

Remote Viewing

With *LILINViewer*, remote viewing from handheld devices is fully enabled, with iOS and Android compatibility. The application provides security alarm push notification, real-time live viewing, and remote video playback.

PTZ (Pan-Tilt-Zoom) Control

You can adjust the PTZ (Pan-Tilt-Zoom) functions of supported cameras directly on the NVR User Interface, which greatly enhances the convenience in remote monitoring.

HTML5

Now all LILIN NVRs embrace the latest HTML5 technology. HTML5 protocols do no longer require ActiveX plugins for QuickTime or Java videos. What's more, you will never be restricted by limited browsers such as Safari, Chrome, and Firefox in both PC, iOS, and Android.

Technical Specifications

NVR3416R

16CH 5MP 19”1U Rackmount Standalone Network Video Recorder

IP Video Input	
Model#	NVR 3416R
Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M / 5M
Maximum Frame Rate	480 FPS

Video output	
Output	HDMI / VGA 1080P
Spot monitor	HDMI or VGA selectable (Spot or sync.)
Split Screen	1 / 4 / 8 / 9 / 13 / 16 split division, sequence mode, freeze
Digital Zoom	Up to 64× on live and playback

Certifications	
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B

Recording	
Encode Format	H.264
Maximum Network Throughput	96Mbps
Resolution	CIF - 5MP
Frame Rate	Single channel up to 1080P 60 FPS
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
Alarm Notification	Alarm notification iOS、android / E-Mail / FTP / Buzzer / DO

Playback	
Search	Alarm event / Operation event / System event / Meta data event / Time search
Display	16 CH synchronous playback
Resolution	CIF - 5MP
Max. Frame Rate	Up to 1080P 60FPS
Speed	Fast rewind 2×-64× / Fast forward 2×-64× / Step Forward / Slow motion 1/2 - 1/16

Storage	
Internal HDD	4 × 3.5” HDD (Up to 8TB supported)
eSATA	eSATA connector × 1 (Up to 16TB external storage supported)

Backup	
USB Flash Disk	Up to 32 GB supported
Network Backup	Via HTTP / FTP / Network Places
DVD/RW	External USB DVD/RW

Audio	
Audio Input	16 CH (network camera), G.711 8K
Audio Output	RCA × 1
Network Camera Two Way Audio	Yes

Network	
Ports	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ SNMP / Onvif Profile S
Web	Direct Internet Explorer (10 and above) browser access / Multiple users access/ HTML 5(Chrome, Firefox, Opera & Safari for Mac)
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	
VMS	Navigator
Backup / Playback	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback

Alarm	
Ports	DI × 2 and DO × 1 (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 and IP address blocking
Language	Arabic, Chinese (Traditional), Chinese(Simplified), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish
HDD Inspection	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

Accessories	
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
Microphone	USB Mic. support (Need additional option)
WiFi / 4G Dongle	WiFi and 4G external USB dongle supported (Certified brand only)

Others	
CPU	ARM Cortex A9 Dual Core
OS	Embedded Linux Kernel 3.0
WDT	Hardware watchdog timer

Power and Working Env.	
Power	Adapter DC 12V, 5A, 60W × 1
Operating Temperature	0℃ ~ 45℃ (32°F ~ 113°F)
Operating Humidity	5% - 80%
Dimensions (W×L×H)	435 × 420 × 44 (footpad included 53) mm
Weight	≈4 kg (Without hard drive)

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