NVR3216

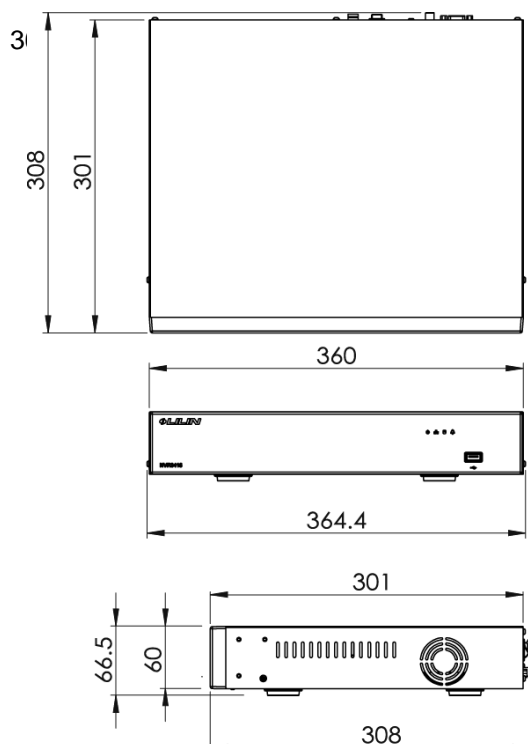## 16 CH 5Mega 2HDD Standalone Network Video Recorder

- 16 Channel network camera Input

- Up to 5mega pixel H.264 network camera support

- Up to 1080P 60 FPS network camera support

- Internal HDD up to 8TB supported

- HDMI and VGA output up to 1920×1080P

- Mobile phone (iOS, Android) solutions provided

- Network maximum input through up to 96Mbps

- Chrome, Edge, Firefox, IE, Opera, Safari supported

LILIN NVR3216 is a 16-channel NVR (Network Video Recorder) designed for various recording applications. The system is equipped with an ARM Cortex A9 Dual-core processor with maximum recording throughput at 144Mbps (incoming 96Mbps, outgoing 48Mbps). Parameters such as IP address and basic IP camera configurations can easily be adjusted with the LILIN setup wizard ~ IPScan and WS-Discovery, making the NVR3216 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.

Dimensions (unit in mm):

308
301
360
364.4
301
66.5
60
308

Adapted to ONVIF-compliant IP cameras

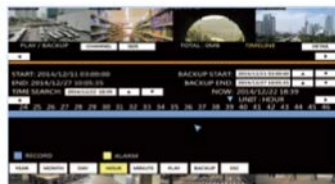NVR3216 is an easy-to-install Linux based standalone HD solution for recording ONVIF compatible cameras

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 NVR3216 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.

16 CH 5Mega 2HDD Standalone Network Video Recorder

IP Video Input

Model#	NVR3216
Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF
Maximum Frame Rate	480 FPS

Video output

Output	HDMI / VGA 1080P
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
FCC	Yes

Recording

Network video Format	H.264
Maximum Network Throughput	96Mbps
Recording Resolution	CIF ~ 5M
Frame Rate	Single channel up to 1080P 60 FPS record
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	POS RFID AND PIN CONTROLLER USER DEFINED 2 BARCODE SCANNER GPS LPR (Denial, Allowed, Visitor)
Alarm Notification	Alarm notification iOS、android / E-Mail / FTP / buzzer / DO

Playback

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

Storage

Internal HDD	2 × 3.5" HDD (Up to 8TB 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 u-law 8K & AAC
Audio Output	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Network Camera Two Way Audio	Yes

Network

Network ports	RJ-45 Gigabit Ethernet × 1
Protocols	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP / RTCP / RTSP / SDDP / ONVIF Profile S
Web	Direct internet browser access / Multiple users access
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
Web access	Live / playback / backup / menu configuration / event log

Software

VMS	Navigator
Backup / Playback	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback

Alarm

Ports	DI × 4 and DO × 1

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, Traditional Chinese, Simplified Chinese, 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

Accessories

PTZ Protocols	HTTP / ONVIF
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 (Optional)
Wi-Fi Dongle	WiFi and 4G external USB dongle supported (Certified brand only)
USB GPS Receiver	Support

Others

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

Power and working environment

Power	Adapter DC 12V, 5A, 60W × 1
Operating Temperature	0°C ~ 45°C
Operating Humidity	5% ~ 80%
Dimensions (W×L×H)	360 x 316 x 60 mm
Weight	≈2.2 KG (Without hard drive)