R5 Mainstream Series NVR, 8K 32 Channel

R54-32NA

Key Features

- 8K NVR
- 32 Channels With Four (4) SATA Ports and One (1) eSATA Port
- Dual NIC
- HDMI/VGA Output
- Supports LumiSearch+*
- iMD, Face Recognition, and VCA by Recorder

Certifications and Compliance

- NDAA Compliant
- FCC

Learn More

Learn more about this product's key technologies.

Overview

The **R54-32NA** is part of Luminys's R5 Mainstream series. R5 series devices are designed with a suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Key Technologies

LumiSearch+* technology lets you quickly find, track, and identify targets in security footage using a reference image. The LumiSearch algorithm analyzes human body shape, clothing color, and other characteristics to accurately pinpoint where a target has appeared in footage captured by any LumiSearch-enabled camera and NVR. LumiSearch+ provides enhanced LumiSearch functionality by allowing users to create custom intrusion zones to monitor irregular or high-risk areas more precisely.

LumiViewer is a desktop and mobile application that streamlines security management by providing real-time surveillance, playback of historical footage, and instant alarm notifications. With features like device sharing, an alarm hub for safety alerts, visual intercom for video calls and door control, and remote access management, LumiViewer ensures comprehensive and efficient monitoring.

Specifications

Video

Video Input	32 Channels
Recording Resolutions	32MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF
Output Resolutions	**HDMI (2CH):** 4K (3840 × 2160), 1920 × 1080, 1280 x 1024 **VGA (2CH):** 1920 × 1080, 1280 x 1024
	HDMI1/HDMI2 Independent Output HDMI1/VGA1 Simultaneous Output HDMI2/VGA2 Simultaneous Output
Live View/Playback Resolutions	32MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF

Decoding

Format	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG
Capability	AI On • 1CH at 32MP (30 fps) • 2CH at 16MP (30 fps) • 4CH at 8MP (30 fps) • 12CH at 4MP (30 fps) • 24CH at 1080p (30 fps) AI Off • 2CH at 32MP (30 fps) • 4CH at 16MP (30 fps) • 8CH at 8MP (30 fps) • 16CH at 4MP (30 fps) • 32CH at 1080p (30 fps)
Live View Window Division	1, 4, 9, 16, 25, 36 Views
Auxiliary Port Window Division	1, 4, 8, 9, 16 Views
Synchronous Playback	16 Channels

Supported Analytics

Intelligent Motion Detection	**Camera:** 16CH **NVR:** 8CH
Video Content Analytics (VCA)	**Camera:** 16CH **NVR:** 4CH 10 Rules per Channel
Face Recognition	**Face Capture and Recognition:** 2CH **Face Picture Comparison Alarm From Camera:** 16CH Up to 20 Face Picture Libraries (Max. 20,000 Pictures Total)
LumiSearch+*	16CH (Must be Supported by Camera)
Video Metadata	8CH (Analytics by Camera)
License Plate Recognition	8CH (LPR Camera Required) Two (2) Block List, Two (2) Allow List Up to 20,000 Plate Numbers

*LumiSearch+ requires the use of a LumiSearch+-enabled camera.

Interface

SATA	Four (4) Ports
eSATA	One (1) Port
HDD	Up to 16TB per HDD
Network	Two (2) RJ-45 Self-Adaptive Ethernet (10/100/1000 Mbps)
USB	**Front Panel:** 1 x USB 2.0 **Rear Panel:** 2 x USB 3.0
Serial Port	1 x RS-232
Alarm	**Input:** 16 Channels **Output:** 6 Channels

Interface

Audio	**Input:** 1-Channel RCA Input **Output:** 2-Channel RCA Output

Network

Bandwidth	AI On • **Incoming:** 220 Mbps • **Outgoing:** 220 Mbps AI Off • **Incoming:** 400 Mbps • **Outgoing:** 400 Mbps
Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS
Interoperability	ONVIF, RTSP
PoE Standard	IEEE 802.3 af/at
Client	LumiViewer, LumiViewer Mobile App, LumiCloud

Electrical

Power Supply	100 to 240 VAC, 50 to 60 Hz
Power Consumption	< 13 W (HDD Not Included)

Construction

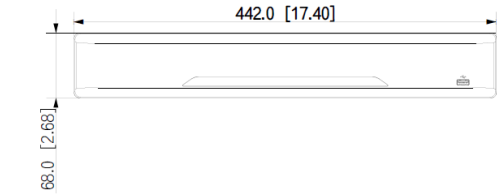
Installation Method	Rack- or Desktop-Mount
Weight	4.7 kg (10.5 lb) Without HDD
Operating Temperature	–10 °C to 55 °C (14 °F to 131 °F) 10% to 93%
Dimensions (W × D × H)	442.0 × 414.1 × 68.0 mm (17.4 × 16.3 × 2.7 in.)

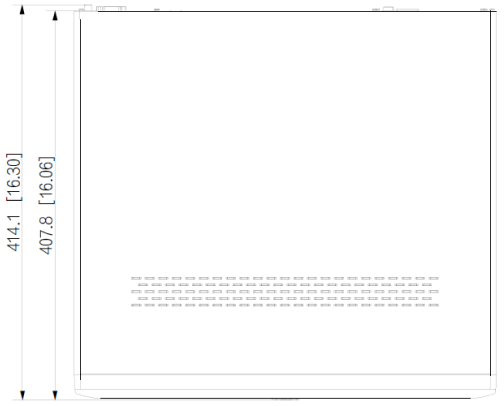
Certifications and Compliance

Certifications	FCC
Compliance	NDAA

Dimensional Drawing

mm [in.]





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