8CH 4K PoE NVR – 8 Port
R32-8PA

Key Features

- 4K NVR
- 8 Channels with Two (2) SATA Ports
- HDMI and VGA Output
- PoE Plug-and-Play
- Supports Analytics by Camera

Certifications and Compliance

- NDAA Compliant
- FCC

Learn More

Learn more about this product's key technologies.

Overview

The **R32-8PA** is part of Luminys's R3 entry-level series of devices. R3 series devices are designed with a curated selection of technologies and features to provide high-quality security without unnecessary or complicated add-ons.

Key Technologies

LumiViewer

R3 series NVRs are compatible with the LumiViewer platform. LumiViewer 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. The platform is available for desktop and mobile devices.

License Plate Recognition (LPR) Technology

R3 series NVRs support LPR technology by camera. LPR technology improves safety and operational efficiency by automatically capturing and reading vehicle license plates for easy and accurate identification.

Specifications

Video

Video Input	8 Channels
Recording Resolutions	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF
Output Resolutions	**HDMI:** 4K (3840 × 2160), 1920 × 1080, 1280 x 1024, 1280 x 720 **VGA:** 1920 × 1080, 1280 x 1024, 1280 x 720
Live View/Playback Resolutions	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF

Decoding

Format	H.265, H.264, H.264H, H.264B, MJPEG
Capability	**2CH:** 8MP at 30 fps **8CH:** 1080p at 30 fps
Synchronous Playback	1, 4, 8 Views

Supported Analytics by Camera

Intelligent Motion Detection	8CH
Video Content Analytics (VCA)	8CH
Face Detection	4CH
License Plate Recognition	4CH
Smart Search	Search by target classification, pictures by channel, time and event type

Interface

SATA	Two (2) Ports
HDD	Up to 10TB per HDD
Network	One (1) RJ-45 Self-Adaptive Ethernet (10/100/1000 Mbps)
PoE	Eight (8) RJ-45 Self-Adaptive Ethernet (10/100 Mbps)
USB	**Front Panel:** 1 x USB 2.0 **Rear Panel:** 1 x USB 2.0
Alarm	**Input:** Four (4) Channels **Output:** Two (2) Channels
Audio	**Input:** 1-Channel RCA Input **Output:** 1-Channel RCA Output

Network

Bandwidth	**Incoming:** 160 Mbps **Outgoing:** 60 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

Electrical

Power Supply	100-240 V, 47-63 Hz. 3.5 A
Power Consumption	< 10 W (HDD Not Included) **PoE:** 115 W (Max. Output for Single Port: 25.5 W)

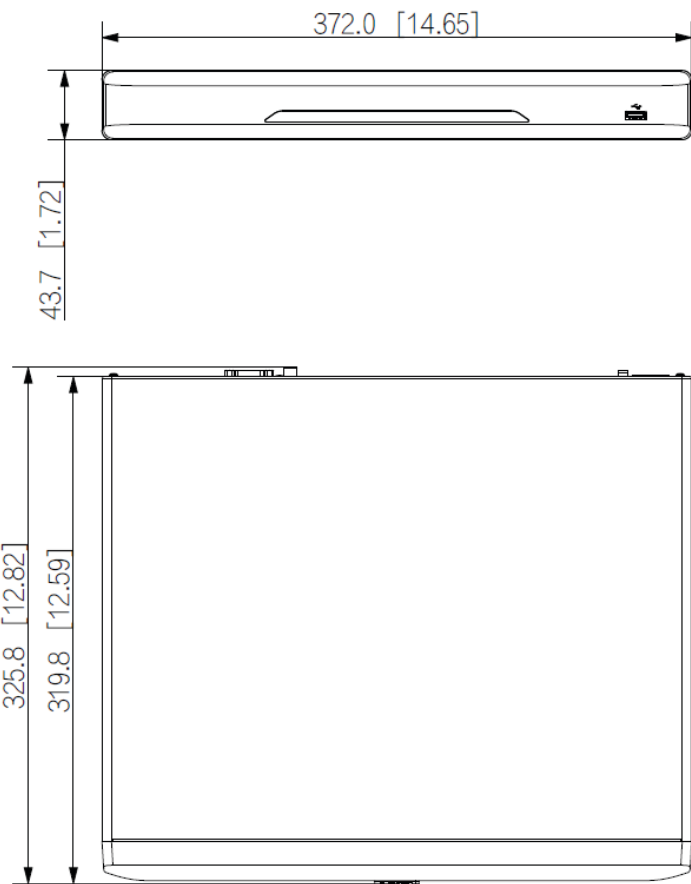## Construction

Weight	2.5 kg (5.5 lb), Without HDD
Operating Temperature	–10 °C to 55 °C (10 °F to 131 °F) 10% to 93%
Dimensions (W × L × H)	372.0 × 325.8 × 43.7 mm (14.7 × 12.8 × 1.7 in.)

Certifications and Compliance

Certifications	FCC
Compliance	NDAA

Dimensional Drawing

mm [in.]

Ordering Information

The Luminys R3 NVR series is designed for small-scale deployments and offers camera-side analytics when paired with Luminys cameras. Available in mini form factors with up to 16-channel configurations, the R3 series provides an efficient solution for basic video recording needs.

SKU	Channels	PoE Ports	Max. Camera Resolution Supported	Max. Recording Bandwidth	HDMI Output Resolution	Chassis Height
R31-4PA	4	4	Up to 4K (8MP)	80 Mbps	4K	Mini 1U
R31-8PA	8	8	Up to 4K (8MP)	80 Mbps	4K	Mini 1U
R32-8PA	8	8	Up to 4K (8MP)	160 Mbps	4K	1U
R32-16PA	16	16	Up to 4K (8MP)	160 Mbps	4K	1U

LumiCloud Add-Ons

R3 series NVRs are designed to be compatible with LumiCloud to offer intelligent system management, cloud-based control, and scalability.*

SKU	Add-On	Description
LCL-HDV-U	LumiCloud HD Video Unity License	The LumiCloud HD Video Unity License supports one Luminys camera or NVR channel for one year. It offers a high-performance video surveillance solution with AI-based event detection, 30-day rolling cloud storage for AI events, remote maintenance, real-time device health monitoring, and comprehensive support. You can archive important video events indefinitely in the cloud with an active license, providing up to 30 GB of storage per camera at 1080p resolution.