

R6 Extreme Series NVR, 8K 32 Channel

R68-32NA



Key Features

- 32 Channels, Up to 32MP Cameras (Max. Incoming Bandwidth: 1400 Mbps)
- LumiSearch by Camera
- iMD, Face Recognition, Metadata, and VCA by Recorder
- Up to 160 TB Internal Storage, Eight (8) SATA Ports, One (1) eSATA Port
- Supports RAID 0, 1, 5, 6, 10, Hot Swap
- Dual NIC (10/100/1000/2500 Mbps Ethernet)

Certifications and Compliance

- NDAA Compliant
- FCC

Learn More



Learn more about this product's key technologies.

Overview

The **R68-32NA** is part of Luminy's R6 Extreme series. R6 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.

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.

Metadata technology uses advanced AI algorithms to monitor key metrics such as people counting and behavior analysis. These insights provide businesses with valuable data to enhance and optimize their operations.

Specifications

Video

Video Input	32 Channels
Recording Resolutions	32MP, 24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF
Output Resolutions	HDMI (4CH) <ul style="list-style-type: none">• HDMI 1 and 2: 3840 × 2160, 1920 × 1080, 1280 × 1024• HDMI 3: 7680 × 4320, 3840 × 2160, 1920 × 1080, 1280 × 1024• HDMI 4: 1920 × 1080, 1280 × 1024 VGA (2CH): 1920 × 1080, 1280 × 1024
Live View/Playback Resolutions	32MP, 24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF

Decoding

Format	Smart H.265+, Smart H.264+, H.265, H.264, MJPEG
Capability	AI On <ul style="list-style-type: none">• 1CH at 32MP (30 fps)• 2CH at 16MP/12MP (30 fps)• 4CH at 8MP (30 fps)• 8CH at 4MP (30 fps)• 16CH at 1080p (30 fps) AI Off <ul style="list-style-type: none">• 2CH at 32MP (30 fps)• 4CH at 16MP (30 fps)• 5CH at 12MP (30 fps)• 8CH at 8MP (30 fps)• 16CH at 4MP (30 fps)• 32CH at 1080p (30 fps)
Live View Window Division	1, 4, 8, 9, 15, 25, 36 Views
Auxiliary Port Window Division	1, 4, 8, 9, 15, 25, 36 Views
Synchronous Playback	16 Channels

Supported Analytics

Intelligent Motion Detection	Camera: 32CH (Max. 128 Targets per Second) NVR: 32CH
Video Content Analytics (VCA)	Camera: 32CH (Max. 64 Targets per Second) NVR: 32CH (Simultaneous Output) OR 24CH (Spot Video Output)
Face Detection	Camera: 32CH NVR: 8CH (Simultaneous Output) OR 5CH (Spot Video Output)
Face Recognition	Simultaneous Output <ul style="list-style-type: none">• Face Captured by Camera: 32CH• Face Captured by NVR: 8CH Spot Video Output <ul style="list-style-type: none">• Face Captured by Camera: 16CH• Face Captured by NVR: 5CH Up to 40 Face Picture Libraries (Max. 300,000 Pictures Total)

Supported Analytics

LumiSearch	32CH (Must be Supported by Camera)
Video Metadata	Camera: 32CH NVR: 8CH
License Plate Recognition (LPR Camera Required)	32CH (Max. 64 Targets per Second) One (1) Block List, One (1) Allow List Up to 20,000 Plate Numbers

Interface

SATA	Eight (8) Ports
eSATA	One (1) Port
HDD	Up to 20 TB per HDD
RAID	0, 1, 5, 6, 10 Hot Swap Supported
Network	Two (2) RJ-45 Self-Adaptive Ethernet (10/100/1000/2500 Mbps)
USB	Front Panel: Two (2) × USB 2.0 Rear Panel: Two (2) × USB 3.0
Serial Port	One (1) × RS-232, 1 × RS-485
Alarm	Input: 16 Channels Output: Eight (8) Channels
Audio	Input: One-Channel RCA Input Output: Two-Channel RCA Output Two-Way Audio Supported

Network

Bandwidth	AI On <ul style="list-style-type: none">• Incoming/Recording: 700 Mbps• Outgoing: 512 Mbps AI Off <ul style="list-style-type: none">• Incoming/Recording: 1400 Mbps• Outgoing: 1024 Mbps
Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS
Interoperability	ONVIF, RTSP
Client	LumiViewer, LumiViewer Mobile App

Electrical

Power Supply	100 to 240 VAC, 50 to 60 Hz
Power Consumption	< 18 W (HDD Not Included)

Construction

Installation Method	Rack- or Desktop-Mount
Housing	2U
Weight	7.2 kg (15.8 lb) Without HDD
Operating Temperature	-10 °C to 55 °C (14 °F to 131 °F) 10% to 93%
Dimensions (W × D × H)	442.0 mm × 457.3 mm × 88.0 mm (17.4 in. × 18.0 in. × 3.5 in.)

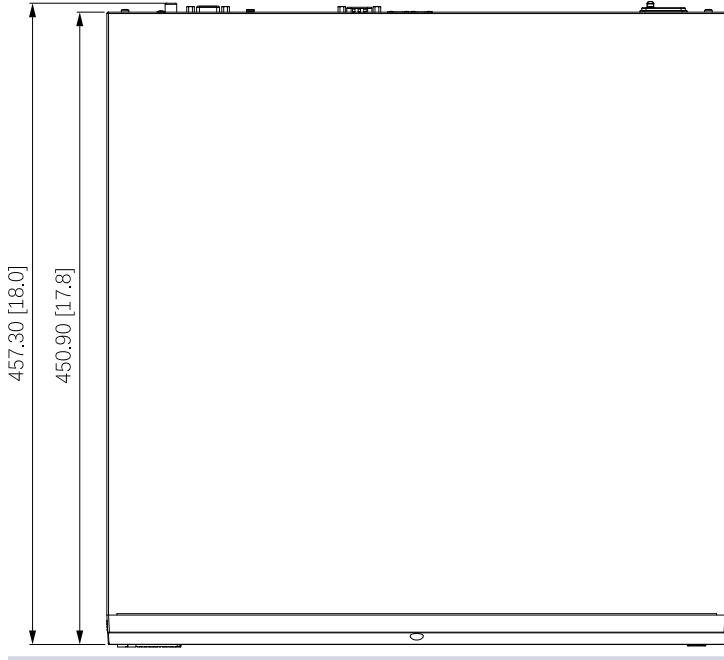
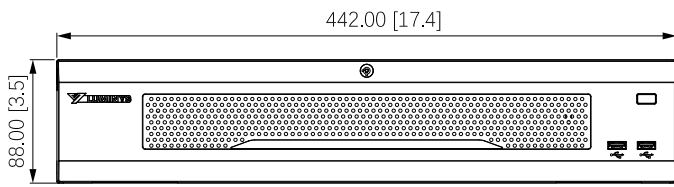
Certifications and Compliance

Certifications	FCC
Compliance	NDA

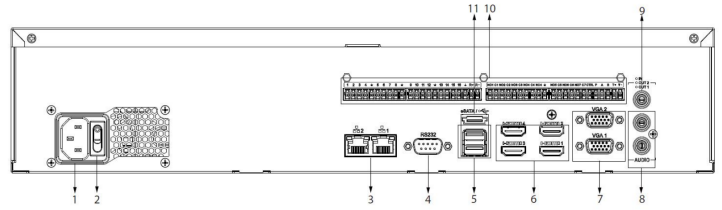


Dimensional Drawing

mm [in.]



Back Panel



1	Power Supply	7	VGA Ports
2	Power Switch	8	AUDIO OUT, RCA Connector
3	LAN Network Ports	9	AUDIO IN, RCA Connector
4	RS-232 Port	10	Alarm Input/Output
5	USB Ports	11	eSATA Port
6	HDMI Ports		

Packaging Information

Included Components

Below are the included components when purchasing the product.

Quantity	Component
1	R6 Extreme Series NVR (Luminys SKU: R68-32NA)
1	Power Cable
1	Mouse
1	Front Panel Key
16	Hard Drive Handles
1	Set of Screws
1	Set of Foot Pads
1	Terminal Block
2	Rack Mount Ear
1	CAT5 Ethernet Cable
1	Quick Start Guide
1	Regulatory Information

Ordering Information

Below is the ordering information for the R6 series NVRs.

SKU	Product
R68-32NA	R6 Extreme Series NVR, 32MP 32 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported
R68-32NA4	R6 Extreme Series NVR, 32MP 32 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported, 4TB
R68-32NA10	R6 Extreme Series NVR, 32MP 32 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported, 10TB
R68-32NA64	R6 Extreme Series NVR, 32MP 32 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported, 64TB
R68-32NA128	R6 Extreme Series NVR, 32MP 32 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported, 128TB
R68-64NA	R6 Extreme Series NVR, 32MP 64 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported
R68-XNA	R6 Extreme Series NVR, 32MP 128 Channel 2U Dual NIC, 8SATA, Analytics by Recorder Including Metadata, LumiSearch Supported