R6 Extreme Series NVR, 8K 128 Channel

R68-XNA

Key Features

- 128 Channels, Up to 32MP Cameras (Max. Incoming Bandwidth: 1280 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-XNA** is part of Luminys'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	128 Channels
Recording Resolutions	32MP, 24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF
Output Resolutions	**HDMI (4CH)** • **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 x 1024 **Simultaneous Mode** • HDMI1/HDMI2/HDMI3/HDMI4 Simultaneous Output • VGA1/VGA2 Simultaneous Output • HDMI1/VGA1 Simultaneous Output • HDMI2/VGA2 Simultaneous Output **Spot Output Mode** • HDMI1/HDMI2/HDMI3/HDMI4 Spot Output
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** • 1CH at 32MP/24MP (30 fps) • 2CH at 16MP/12MP (30 fps) • 4CH at 8MP (30 fps) • 5CH at 6MP (30 fps) • 6CH at 5MP (30 fps • 8CH at 4MP (30 fps) • 16CH at 1080p (30 fps) • 80CH at D1 (30 fps) **AI Off** • 2CH at 32MP/24MP (30 fps) • 4CH at 16MP (30 fps) • 5CH at 12MP (30 fps) • 8CH at 8MP (30 fps) • 11CH at 6MP (30 fps) • 12CH at 5MP (30 fps) • 16CH at 4MP (30 fps) • 32CH at 1080p (30 fps) • 128CH at D1 (30 fps)
Live View Window Division	1, 4, 8, 9, 16, 25, 36, 64 Views
Auxiliary Port Window Division	1, 4, 8, 9, 16, 32 Views
Synchronous Playback	16 Channels

Supported Analytics

Intelligent Motion Detection	**Camera:** 128CH (Max. 128 Targets per Second) **NVR:** 32CH
Video Content Analytics (VCA)	**Camera:** 128CH (Max. 64 Targets per Second) **NVR:** 32CH (Simultaneous Output) **OR** 24CH (Spot Video Output)
Face Detection	**Camera:** 64CH **NVR:** 8CH (Simultaneous Output) **OR** 5CH (Spot Video Output)

Supported Analytics

Face Recognition	**Simultaneous Output** • **Face Captured by Camera:** 32CH • **Face Captured by NVR:** 8CH **Spot Video Output** • **Face Captured by Camera:** 16CH • **Face Captured by NVR:** 5CH Up to 40 Face Picture Libraries (Max. 300,000 Pictures Total)
LumiSearch	64CH (Must be Supported by Camera)
Video Metadata	**Camera:** 64CH **NVR:** 8CH
License Plate Recognition (LPR Camera Required)	128CH (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) x USB 2.0 **Rear Panel:** Two (2) x USB 3.0
Serial Port	One (1) x RS-232, One (1) x 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** • **Incoming/Recording:** 700 Mbps • **Outgoing:** 512 Mbps **AI Off** • **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

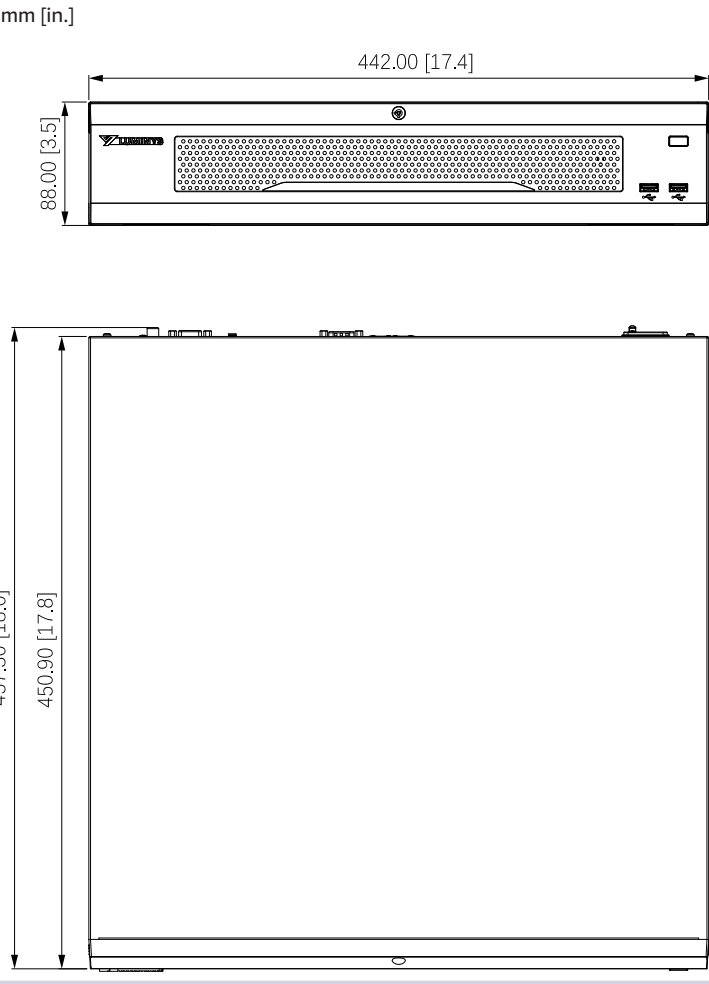|	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Power Consumption	< 18 W (HDD Not Included)

Construction

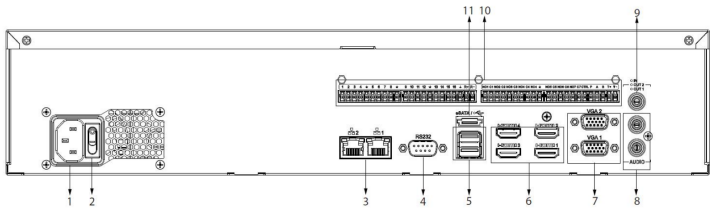|	
Installation Method	Rack- or Desktop-Mount
Housing	2U
Weight	7.2 kg (15.8 lb) Without HDD
Operating Temperature	–10 °C to 55 °C (14 °F to 131 °F) 10% to 93%
Dimensions (W × D × H)	442.0 mm × 457.3 mm × 88.0 mm (17.4 in. × 18.0 in. × 3.5 in.)

Certifications and Compliance

Certifications	FCC
Compliance	NDAA

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-XNA)
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