LUMINYS

R5 Mainstream Series NVR, 8K 8 Channel, 8 PoE
R52-8PA

Key Features

- 8K NVR
- 8 Channels With Two (2) SATA Ports
- 8 PoE Ports With LumiPower Support
- 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 **R52-8PA** 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 search for targets using attribute search, filter out animals using animal search, and create custom intrusion zones to monitor irregular or high-risk areas more precisely.

LumiPower technology enables long-distance Power over Ethernet transmission, extending power and data delivery up to 3,000 feet. This simplifies installations in larger or more complex environments by eliminating the need for additional power sources or repeaters. LumiPower ensures consistent connectivity and dependable power management, ideal for expansive security infrastructures.

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	8 Channels
Recording Resolutions	32MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 720p, D1, VGA, CIF
Output Resolutions	**HDMI:** 4K (3840 × 2160), 1920 × 1080, 1280 x 1024 **VGA:** 1920 × 1080, 1280 x 1024
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) • 8CH at 4MP (30 fps) **AI Off** • 1CH at 32MP (30 fps) • 3CH at 16MP (30 fps) • 6CH at 8MP (30 fps) • 12CH at 4MP (30 fps)
Live View Window Division	1, 4, 8, 9 Views
Auxiliary Port Window Division	1, 4, 8, 9 Views
Synchronous Playback	8 Channels

Supported Analytics

Intelligent Motion Detection	**Camera:** 8CH **NVR:** 8CH
Video Content Analytics (VCA)	**Camera:** 8CH **NVR:** 4CH 10 Rules per Channel
Face Recognition	**Face Capture and Recognition:** 2CH **Face Picture Comparison Alarm From Camera:** 8CH Up to 20 Face Picture Libraries (Max. 20,000 Pictures Total)
LumiSearch+*	8CH (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	Two (2) Ports
HDD	Up to 16TB 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 3.0
Serial Port	1 x RS-232
Alarm	**Input:** Four (4) Channels **Output:** Two (2) Channels
Audio	**Input:** 1-Channel RCA Input **Output:** 1-Channel RCA Output

Network

Bandwidth	**AI On** • **Incoming:** 200 Mbps • **Outgoing:** 200 Mbps **AI Off** • **Incoming:** 256 Mbps • **Outgoing:** 256 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	100-240 V, 47-63 Hz
Power Consumption	< 10 W (HDD Not Included) **PoE:** 130 W (Max. Output for Single Port: 25.5 W)

Construction

Installation Method	Rack- or Desktop-Mount
Weight	2.6 kg (5.9 lb) Without HDD
Operating Temperature	−10 °C to 55 °C (14 °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.]