8CH 4K PoE NVR – 8 Port

R31-8PA

Key Features

- 4K NVR
- 8 Channels with One (1) SATA Port
- 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 **R31-8PA** 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, 9 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	One (1) Port
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
Audio	**Input:** 1-Channel RCA Input **Output:** 1-Channel RCA Output

Network

Bandwidth	**Incoming:** 80 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	48 V/53 VDC, 2 A/1.8 A
Power Consumption	< 10 W (HDD Not Included) **PoE:** 72 W (Max. Output for Single Port: 25.5 W)

Construction

Weight	0.9 kg (2.0 lb) Without HDD
Operating Temperature	–10 °C to 55 °C (10 °F to 131 °F) 10% to 93%
Dimensions (W × L × H)	260.0 mm × 232.5 mm × 50.3 mm (10.2 in. × 9.2 in. × 2.0 in.)

Certifications and Compliance

Certifications	FCC
Compliance	NDAA