

820  
SERIES



## Summary

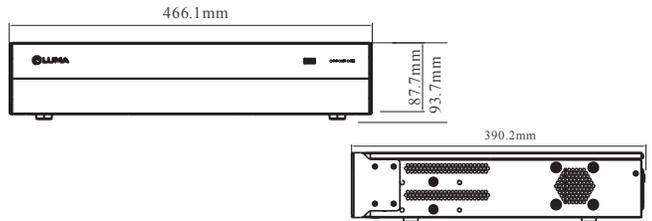
The Luma® 820 Series NVR features 32 channels with 16 physical POE ports, and support for 16 network ports using a network switch. The NVR features improved processing power, allowing for the use of higher resolution cameras up to 12MP. Being fully National Defense Authorization Act (NDAA) compliant, these NVRs are perfect for larger commercial projects. Installs that require additional features such as more cameras, dual Ethernet LAN ports for network failovers, dual HDMI outputs for two separately configured screens, and a Target Detection pane that shows important events in real time should use this NVR. Featuring double the bandwidth capabilities of previous generation NVRs, this NVR supports up to 196Mbps incoming and outgoing bandwidth for managing many cameras.

## Features

- Supports 12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIFIP video input
- H.265/H.265+/H.264/H.264+ encoding codec
- Multi-mode recording
- Playback: 16CH simultaneous playbacks
- Search: time slice, time, event, tag and smart search
- Supports multiple Video Content Analysis (VCA) events
- Express & flexible backup via USB, Web Interface, and Luma View app
- Preview, record, playback, backup, and remote access
- DHCP, DDNS, and PPPoE network protocol
- Remote control via Web
- 16 physical PoE network ports
- Dual stream technology
- User Authorization Management
- Allows users to access NVR simultaneously
- Dual HDMI output ports; true high-resolution display
- Dual Ethernet Ports for backup in case of network failure
- 196Mbps incoming and outgoing bandwidth
- Includes built-in power supply
- Remote monitoring support via Luma View app

## Dimensions

Unit: mm



## Specifications

Product	LUM-820-NVR-32CH
Hard Drive Bays (Internal)	8
Network Interface	2 x Gigabit Lan Ports
PoE Ports	16
PoE Standard	IEEE802.3AF/AT
Hard Drive Storage (Internal)	Up to 18TB each, maximum up to 144TB
ESATA Connection	1
Bandwidth	160/160 Mbps
Network / Ethernet Desc.	10/100/1000Mbps
Outputs	HDMI 1: 3840 x 2160/1920 x 1080/1280 x 1024/1024 x 768 HDMI 2: 1920 x 1080/1280 x 1024/1024 x 768 VGA: 1920 x 1080/1280 x 1024/1024 x 768 HDMI 1 and VGA output the same video
Audio Inputs/Outputs	1 x RCA/1 x RCA
Local Playback Decoding Capability	1 Channel: 12MP 4 Channel: 2MP
Motion Detection	Yes
AI Event	Human, Vehicle & Non-Motor Vehicle Detection
Search Features Desc.	Time Search, Event Search, Intelligent Analysis Search
Supported Resolutions	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Frame Rate	Up to 20 FPS @ 12MP; 30 FPS @ 8MP & lower resolution
Browser Support	Chrome, Firefox, Safari, Edge, IE Mode in Edge
Alarm Contact Inputs/Outputs	16 Alarm Inputs/4 Alarm Outputs
Display Split Window	Main Output: 1, 4, 9, 16, 25, 32, 36, 1+5, 1+7, 1+12 Secondary Output: 1, 4, 9, 1 + 5, 1 + 7
Rack Spacing	2U
PoE Max Power Output (each port)	≤ 30W; Maximum ≤ 150W
Power Consumption	≤ 20W (without HDD & PoE Power Supply)
Power Supply	ATX 300W
Certifications	ETL Listed, CE, FCC
Operating Temperature	-10 – 50°C
Dimensions (W x H x D)	17.32" x 14.37" x 3.45"
Weight	10.80 lbs.

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