

820
SERIES



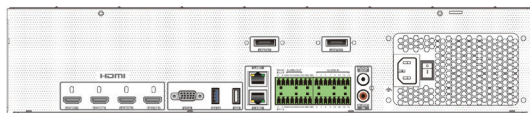
Summary

The Luma 64-channel NVR is designed for large commercial opportunities, from multi-tenant properties and retail chains to campuses and corporate facilities. Advanced storage options, network redundancy, and multi-monitor support provide the reliability and scalability required for demanding installations. Integrated with OvrC and the Luma ecosystem, the NVR ensures secure remote access for management, diagnostics, and troubleshooting, allowing issues to be resolved faster without the need for onsite visits.

Features include:

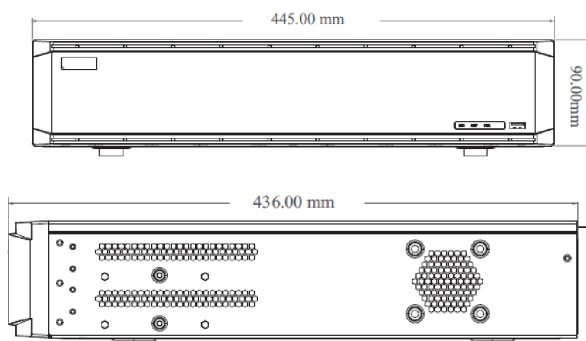
- Supports 640Mbps incoming/outgoing bandwidth
- Features 8 HDD bays, up to 24TB each, maximum 192TB
- Supports up to 16MP (7680x4320 maximum resolution)
- Features 64 channels for large projects (non-PoE)
- Includes 16 Alarm Inputs and 4 Alarm Outputs
- 2U rack mountable
- RAID storage, supporting RAID 5, 6, and more
- Four HDMI outputs provide flexible monitoring for security operations

Rear Panel



Dimensions

Unit: mm



Specifications

Specifications	LUM-820-NVR-64CH
IP Video Input	64
Hard Drive Bays (Internal)	8
Network Interface	2 x Gigabit Lan Ports
PoE Ports	N/A
PoE Standard	N/A
Hard Drive Storage (Internal)	Up to 24TB each, maximum up to 192TB LUM-820-NVR-64CH-0TB: No HDD Included LUM-820-NVR-64CH-12TB: 12TB HDD
ESATA Connection	2
Bandwidth	640 Mbps/ 640 Mbps (Incoming/Outgoing) *When the AI function of the IPC is enabled, the actual incoming bandwidth (max.bitrate) is more than the set value in the NVR.
Network / Ethernet Desc.	2X RJ45 10/100/1000 Mbps
Outputs	HDMI1: 7680×4320@60, 7680×4320@30, 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024 1024×768 (When the resolution of HDMI1 output is 8K, HDMI2 is unavailable and the maximum resolution of HDMI3 output is 1920×1080) HDMI2: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 HDMI3: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 HDMI4: 1920×1080, 1280×1024, 1024×768 VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA and HDMI1 output the same video source)
Audio Inputs/Outputs	1X RCA Input (for two-way talk), 1X RCA Output
Local Playback Decoding Capability	1×16MP@30fps/4×16MP@30fps /9×6MP@30fps /16×4MP@30fps /36×720P@30fps
Motion Detection	Yes
AI Event	Human, Vehicle & Non-Motor Vehicle Detection
Search Features Desc.	Time Search, Event Search, Intelligent Analysis Search
Supported Resolutions	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Frame Rate	N:30fps P:25fps
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: 1/4/6/8/9/13/16/25/32/36/64 AUX output 1: 1 1/4/6/8/9/13/16/25/32/36 AUX output 2: 1/4/6/8/9/13/16 AUX output 3: 1/4/6/8/9/13/16 Max.: 132(64+36+16+16)
Rack Spacing	2U
PoE Max Power Output (each port)	N/A
Power Consumption	≤ 50W (without HDD)
Power Supply	ATX 200W
Certifications	ETL Listed, CE, FCC
Operating Temperature	(-10 – 50°C)
Dimensions (W x D x H)	W×D×H 17.52" × 17.17" × 3.54" (445 × 436 × 90mm)
Weight	64CH-0T NVR: 16.14lbs (7.32 kg) 64CH-12T NVR: 17.15lbs (7.78 kg)