

Luxriot 3U/4U Single CPU RAID-5 Models Hot Spare NVR's

LR1-3U-16B-NVR1



LR1-4U-24B-NVR1



LR1-4U-48B-NVR1



The **Luxriot Single RAID-6 Series NVR** is an enterprise-grade platform specifically engineered and optimized to run **Luxriot EVO S** and **Luxriot EVO Global** server software.

Designed for **high data throughput and data redundancy**, the system efficiently supports **4K and higher-resolution camera deployments**, making it ideal for **large-scale and mission-critical environments**.

- Hardware RAID-5 for enhanced data protection
- Supports hot spare drives for automatic failover
- Intel® Core™ Ultra 9 285
- Hot-swappable drive bays
- Configurable from 72TB up to 1440TB
- Hot spare Drives Included
- 12Gb/s or 24Gb/s SAS controller with battery backup unit (BBU)
- 32GB RAM (expandable depending on configuration)
- Windows 11 Pro 64-bit
- Hot-swappable cooling modules designed for continuous operation and optimal thermal performance
- Redundant hot-swappable power supplies for high availability
- Designed for 24/7 continuous operation
- 3 Year Warranty
- 3-Year Limited Hardware Warranty

Luxriot 3U/4U Single CPU Raid-5 Models Hot Spare Video

Luxriot Raid6 Single CPU		
LR1-3U-16B-NVR1-72TB	LR1-4U-24B-NVR1-456TB	LR1-4U-48B-NVR1-792TB
LR1-3U-16B-NVR1-96TB	LR1-4U-24B-NVR1-480TB	LR1-4U-48B-NVR1-840TB
LR1-3U-16B-NVR1-120TB	LR1-4U-24B-NVR1-504TB	LR1-4U-48B-NVR1-888TB
LR1-3U-16B-NVR1-144TB	LR1-4U-24B-INVR1-288TB	LR1-4U-48B-NVR1-936TB
LR1-3U-16B-NVR1-168TB	LR1-4U-24B-NVR1-588TB	LR1-4U-48B-NVR1-984TB
LR1-3U-16B-NVR1-192TB	LR1-4U-24B-NVR1-630TB	LR1-4U-48B-NVR1-1032TB
LR1-3U-16B-NVR1-216TB	LR1-4U-24B-NVR1-672TB	LR1-4U-48B-NVR1-1080TB
LR1-3U-16B-NVR1-240TB		LR1-4U-48B-NVR1-1260B
LR1-3U-16B-NVR1-264TB		LR1-4U-48B-NVR1-1350TB
LR1-3U-16B-NVR1-288TB		LR1-4U-48B-NVR1-1440TB
LR1-3U-16B-NVR1-364TB		
LR1-3U-16B-NVR1-390TB		
LR1-3U-16B-NVR1-416TB		

Luxriot NVR Model	Luxriot 3U Single CPU RAID-5 72TB - 416TB Servers	Luxriot 4U Single CPU RAID-5 456TB - 672TB	Luxriot 4U Single CPU RAID-5 792TB - 1440TB
Power Supply	(2) 875W PS (Redundant) (110~240V)	(2) 975W PS (Redundant) (110~240V)	(2) x 1100W PS (Redundant) (110~240V)
Form Factor	3U	4U	4U
Cooling System	Built-in 4x 80mm Hot Swap PWM Middle Fans	Built-in 4x 80mm Hot Swap PWM Middle Fans	Built-in 4x 80mm Hot Swap PWM Middle Fans
Operating System	Win11 Pro 64BIT on dedicated 500GB NVME		
NIC	1 PCI Gbit Ethernet and 1x 2.5 Mbps LAN		
Storage	Hot Swap (Enterprise Drives SATA-6Gb/s at 7200 RPMs)	Hot Swap (Enterprise Drives SATA-6Gb/s at 7200 RPMs)	Hot Swap (Enterprise Drives SATA-6Gb/s at 7200 RPMs)
Raid Controller	12Gbs or 24Gb/s SAS 2.0 With BBU		
Chassis / Backplane	16 Bay SATA / (1) 12Gb/s mini SAS Port	24 Bay SATA / (1) 12Gb/s mini SAS Port	48 Bay SATA / (2) 12Gb/s mini SAS Port
Graphics Card	RTX 3050 or equivalent		
CPU	Intel Core Ultra 9 285		
RAM	32GB		
Dimensions (Dx Wx H)	660 x 432 x 132 (mm), 26" x 17" x 5.2"	699 x 432 x 176 (mm), 27.5" x 17" x 6.9"	832.8 x 448 x 175.8 (mm) 32.79" x 17.24" x 6.92"