Luxriot Single RAID-6 Series servers are designed and optimized to run Luxriot **Evo S** and Luxriot **Evo Global** server software with high data throughput and redundancy to handle 4K and higher resolution cameras as well as to run CPU-intensive tasks such as

• *Video Content Analysis (VCA),*
• *Face Recognition (FR),*
• *Vehicle Licence Plate Recognition (LPR).*

NVR Servers

LUXRIOT SINGLE RAID-6 Servers

Features:

- RAID-6 including Hot-Spare ,Network Video Recorder (NVR) Server
- Advanced Intel Core i7 Processor & chipset optimized for HD video
- Internal Hot Swappable HDD configurations from 20 to 210TB (DAS up to 630TB)
- Hot Spare Drive Included
- 128 Bit/2GB Video Adapter with HDMI & DVI outputs
- Adaptec 12Gb/s Mini SAS 2.0 PCIe Raid Controller with 4GB NAND Flash Memory
- 16GB of DDR4 Memory
- *Server is pre-installed with Windows 10 Pro 64bit on Solid state drive*
- Advanced cooling system ensures optimal performance & long-term reliability
- Built in DVD-RW for high speed archiving
- Redundant Hot-Swappable Power Supplies
- 3YR Onsite Support Included for US customers only

Optimized & Designed for:

Luxriot

● Luxriot 3U/4U Single i7 Raid-6 Models with Hot-Spare

Luxriot Single CPU 3U Models	Luxriot Single CPU 4U Models		Luxriot Single CPU 4U Models + DAS
LR1-3U-IPSVR1-20TB	LR1-4U-IPSVR1-56TB	LR1-4U-IPSVR1-136TB	LR1-4U-IPSVR1-252TB+DAS1 (with 1x 126TB DAS 4U Expansion)
LR1-3U-IPSVR1-24TB	LR1-4U-IPSVR1-64TB	LR1-4U-IPSVR1-152TB	
LR1-3U-IPSVR1-32TB	LR1-4U-IPSVR1-72TB	LR1-4U-IPSVR1-168TB	LR1-4U-IPSVR1-336TB+DAS1 (with 1x 168TB DAS 4U Expansion)
LR1-3U-IPSVR1-20TB	LR1-4U-IPSVR1-80TB	LR1-4U-IPSVR1-190TB	
LR1-3U-IPSVR1-40TB	LR1-4U-IPSVR1-84TB	LR1-4U-IPSVR1-200TB	LR1-4U-IPSVR1-420TB+DAS1 (with 1x 210TB DAS 4U Expansion)
LR1-3U-IPSVR1-52TB	LR1-4U-IPSVR1-90TB	LR1-4U-IPSVR1-210TB	
	LR1-4U-IPSVR1-102TB		LR1-4U-IPSVR1-630TB+DAS1 (with 2x 210TB DAS 4U Expansion)
	LR1-4U-IPSVR1-114TB		
	LR1-4U-IPSVR1-126TB		

● Specifications

Luxriot NVR Model	Luxriot 3U Single CPU RAID-6 20TB - 52TB Servers	Luxriot 4U Single CPU RAID-6 56TB – 210TB (630TB w/ DAS) Servers
Power Supply	(2) 820W PS (Redundant) (110~240V auto-detect)	(2) 960W PS (Redundant) (110~240V auto-detect)
Form Factor	3U (20TB, 24TB, 32TB, 40TB, 48TB & 52TB)	4U (56TB, 64TB, 72TB, 80TB, 84TB, 90TB, 102TB, 114TB, 126TB 136TB, 152TB, 168TB, 190TB, 200TB, 210TB, & up to 630TB w/ DAS Expansion Units)
	Intel Chipset	
Cooling System	Built-in 4x 80mm Hot Swap PWM Middle Fans	Built-in 4x 80mm Hot Swap PWM Middle Fans
Operating System	Windows 10 PRO (64 Bit) on dedicated 240GB Intel SSD	
NIC	1 Internal + 1 PCI Gbit Ethernet 1000 Mbps LAN	
DVD/CD RW	Front Panel Access	External USB
Storage	Hot Swap 24TB-52TB Internal (Enterprise Drives SATA-6Gb/s at 7200 RPMs)	Hot Swap 56TB-210TB Internal (Enterprise Drives SATA-6Gb/s at 7200 RPMs)
Raid Controller	12Gb/s SAS 2.0 PCIe Interface Gen 3 host connection. Includes 2GB of NAND flash memory which offers Zero-Maintenance cache protection that eliminates (BBUs)	
Chassis / Backplane	16 Bay SATA / (1) 12Gb/s mini SAS Port	24 Bay SATA / (1) 12Gb/s mini SAS Port
Graphics Card	128 bit/2GB (HDMI/DVI-I/VGA)	
CPU	(1) Intel Core i7-7820X Octa-core (8 Core) 3.60 GHz Processor 11 MB L3 Cache	
RAM	16GB DDR4	
Dimensions (D x W x 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"

- Luxriot 3U 20-52TB Detailed

- Luxriot 4U 56-210TB Detailed

- DAS 4U Storage Unit Detailed