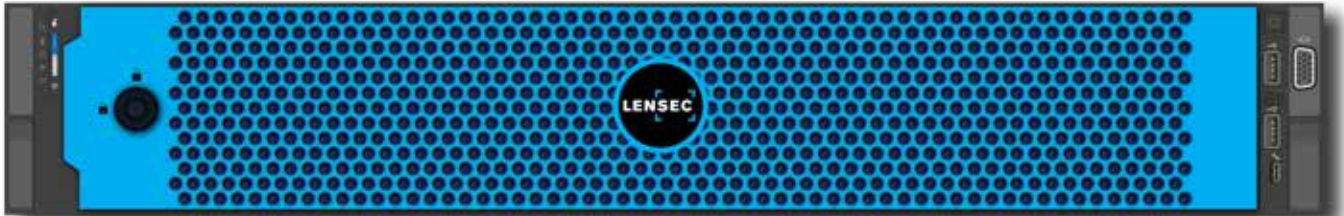# LENSEC LX245 Network Video Appliance
Product Datasheet

Introduction

LENSEC LX245 is an affordable single socket 2U rack appliance designed for small-medium deployments running on top of Microsoft Windows Server.

This surveillance-optimized server support up to 150 cameras streaming and recording at high resolution. Cameras and security systems licenses are obtained separately.

LENSEC LX245 comes pre-downloaded and enhanced with Perspective VMS®, which eliminate deployment cost and enable instant-use of appliance.

Cost-Effective & High Availability Solution

LENSEC LX245 delivers a perfect balance between low budget, storage scalability and performance. This series is the ideal appliance as central management server, remote site NVR and standalone deployments.

LENSEC LX245 offers up to 8 x 3.5" hot plug hard drives with a total storage capacity of 128 TB. Windows operating system, VMS system and video data are protected from loss with RAID options to ensure critical functions high availability.

High Performance

LENSEC LX245 accelerates your network surveillance infrastructure response with improved performance by using Intel Xeon Silver series processors.

OS/VMS loaded on (2) M.2 SSD sticks for faster booting and higher applications response time. It handles well the system management role with high response to users' requests, third-party security integration services and high video recording rates.

Key Features

- Windows Server® 2019

- Intel® Xeon® Silver Series

- Up to 450 Mbps throughput

- Up to 128 TB NL-SAS drives

- Redundant Power

- RAID Options: 0, 1, 5, 6, 10

- iDRAC Express

- 5 Year, Next-Business Day Warranty

LENSEC LX245 NVA Technical Specifications

General information

Operating System
Microsoft Windows Server® 2019

Processor
Intel® Xeon® Silver 4210 2.2GHz, 10C/20T

Memory
16 GB (2 x 8 GB)

Power Supplies
Dual Hot Plug 800W Power Supply

Networking
2 x 1 GbE ports

Performance
Validated 150 cameras*

GPU (Optional)
NVIDIA®T400, NVIDIA®T1000

Remote Users
No license limitation

VMS Edition Support
PVMS Express, Standard, Professional, Enterprise

Operation Mode
Standalone/Centralized/Distributed

Support and Warranty
5-Year Next-Business Day, Keep your Hard Drive Warranty, Customer self-repair for GPU

Storage

VMS/OS Disk
2 x 240 GB M.2 SSD, Raid 1

Storage Bays
Up to 8 x 3.5'' hot-plug

Storage Capacity
Up to 128 TB

RAID Controller
0, 1, 5, 6, 10

Mechanical

Form Factor
2U

Dimensions Form Factor
19" (482.6mm) x 28.17" (715.5mm) x 3.42" (86.8mm)

Temperature
(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]

Humidity
10 ~ 80% (non-condensing)
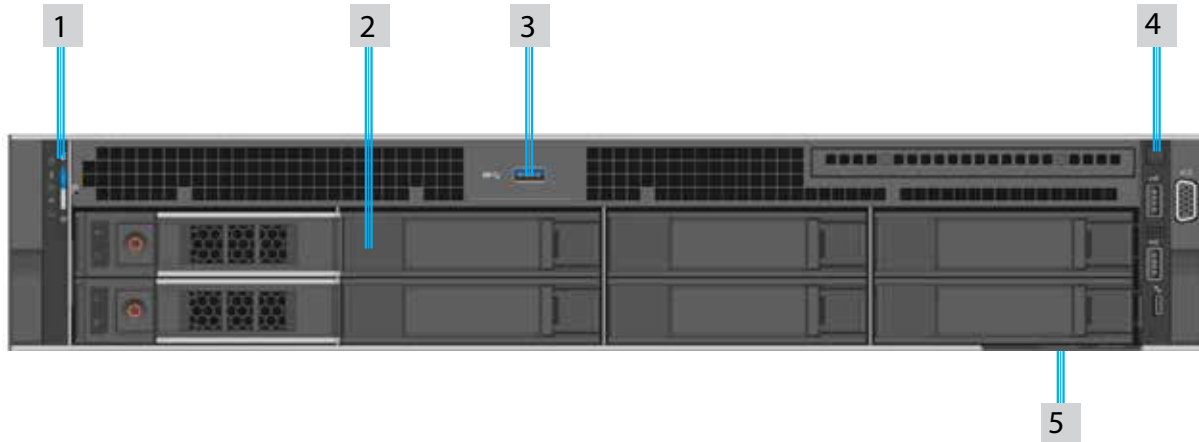
Maximum Weight
25.4 kg (56 lbs)

Storage Configuration

Models	Bays	Max. Storage Capacity
LX245-16TB-8	2 x 3.5'' hot-plug NL-SAS	16 TB (8 TB x 2)
LX245-64TB-8	8 x 3.5'' hot-plug NL-SAS	64 TB (8 TB x 8)
LX245-96TB-12	8 x 3.5'' hot-plug NL-SAS	96 TB (12 TB x 8)
LX245-128TB-16	8 x 3.5'' hot-plug NL-SAS	128 TB (16 TB x 8)

*Up to 150 Cameras with 1920x1080, 25FPS & 3 Mbps

LENSEC LX245 NVA Chassis Views
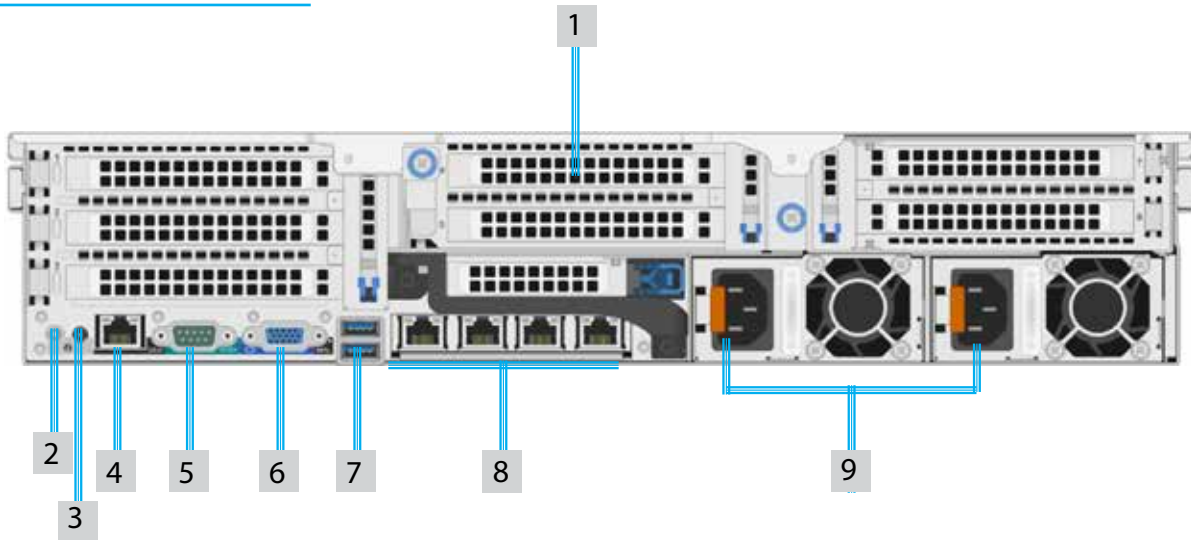
Front View (without bezel)

1. Left Control Panel	3. USB 3.0 port	5. Information Tag
2. Drive slot 3.5"	4. Right Control Panel	

Rear View

1. PCIe Slot	4. Out of Band management port	7. USB 3.0 ports
2. System identification button	5. Serial port	8. Gigabit Ethernet ports
3. CMA power port	6. VGA port	9. Power Supply unit

For more information regarding joint purchasing contracts or buying through schedules, please contact our LENSEC sales team
sales@lensec.com

Note: Hardware specifications are subject to change. Units provided will be equivalent to what is shown in this document.