

LenelS2 NVR

Turn-key Video Appliance



Overview

The LenelS2™ NVR (LNVR) turn-key video appliance is a software and hardware solution for OnGuard® Video. LNVR servers are available with a 2U or 3U EIA rackmount chassis with either 140 or 240Mbps bandwidth and provide up to 96TB of storage providing a full benchmarked video hardware solution for the LNVR recording engine.

For easy deployment, LNVR software is pre-installed and available in the following model series:

- **DVC-ST Chassis:** 2U chassis with fixed storage for standard low-to-moderate storage needs
- **DVC-SX Chassis:** 2U chassis with expandable storage for moderate-to-high or extended storage needs
- **DVC-HD Chassis:** 3U chassis with expandable storage for high-density or extended storage needs

Standard Features

System

- Fully benchmarked turn-key hardware for LNVR software
- 140 or 240Mbps bandwidth
- Intel® Celeron® Dual Core or XEON® Quad Core processors
- Windows® 10 or Windows Server® 2016
- LNVR pre-installed

Video

- H.264/MJPEG
- Supports most third-party cameras
- Supports ONVIF® Profile S
- Video analytics (VCA)
- De-warping of select 360° cameras
- JBOD (DVC-ST and DVC-SX) or RAID5 (DVC-HD Series)
- Up to 96TB of total storage

Chassis

- 2U or 3U EIA 19" rackmount chassis
- Up to 16 hard drive bays
- CE, FCC (Class A or B), UL 60950, ROHS

Ordering Information

Part No.	Description
DVC-ST Chassis	
DVC-ST-C-A16-01-2T	2TB total storage, <i>Analog Encoder no longer included or available</i>
DVC-ST-C-A16-01-4T	4TB total storage, <i>Analog Encoder no longer included or available</i>
DVC-ST-C-A16-04-2T	8TB total storage, <i>Analog Encoder no longer included or available</i>
DVC-ST-C-A16-03-4T	12TB total storage, <i>Analog Encoder no longer included or available</i>
DVC-SX Chassis	
DVC-SX-A-A00-04-2T	8TB of storage
DVC-SX-A-A00-03-4T	12TB of storage
DVC-SX-A-A00-08-2T	16TB of storage
DVC-SX-A-A00-04-6T	24TB of storage
DVC-SX-A-A00-08-4T	32TB of storage
DVC-SX-A-A00-08-6T	48TB of storage
DVC-HD Chassis	
DVC-HD-C-A00-08-2T	16TB of storage
DVC-HD-C-A00-08-3T	24TB of storage
DVC-HD-C-A00-16-2T	32TB of storage
DVC-HD-C-A00-08-6T	48TB of storage
DVC-HD-C-A00-16-3T	48TB of storage
DVC-HD-C-A00-16-4T	64TB of storage
DVC-HD-C-A00-16-6T	96TB of storage



	DVC-ST Series	DVC-SX Series	DVC-HD Series
SYSTEM			
CPU	Intel® Celeron® G1820 2.7GHz Dual Core	Intel XEON® E3-1225 v6 3.3GHz Quad Core	Intel XEON E3-1225 v3 3.2GHz Quad Core
Operating System	Windows® 10 Embedded		Windows Server® 2016
Optional OS	Windows Server 2016 (must purchase DV-UP2016)		-
Operating System Drive(s)	1 x 500GB internal SATA hard drive	1 x 128GB internal M.2 (NVME) hard drive	2 x 250GB internal SATA hard drive (RAID1)
RAM	8GB (2 x 4GB) DDR3 1600MHz	16GB DDR4 (2 x 8GB) 2400MHz NON-ECC	12GB DDR3 (3 x 4GB) 1600MHz NON-ECC, DUAL RANK
Hard Drives (HDDs)	Up to 4 SATA 7200 RPM hard drives	Up to 8 SATA 7200 RPM hard drives	Up to 16 SATA 7200 RPM hard drives
Storage Options	2TB to 12TB	8TB to 48TB	16TB to 96TB
RAID Controller	-	-	Adaptec 81605Z RAID 16PRT INT 12GB/s SATA/SAS
Optical Drive	CD/RW-DVD/RW	-	CD/RW-DVD/RW
VIDEO			
IP Recording Rate	140Mbps	240Mbps	
Channel Count*	35	60	
PHYSICAL INTERFACE PORTS			
Ethernet	Dual GbE NICs (RJ45) 10/100/1000Mbps		
USB	4 x USB 3.0 rear, 2 x USB 2.0 front	7 x USB ports - (2 X USB 2.0 rear, 2 x USB 3.0 rear, 2x USB 3.1 rear, 1 x USB 3.0 front)	8 x USB ports - (4 x USB 2.0 rear, 2 x USB 3.0 rear, 2 x USB 2.0 front)
Video	2 x DisplayPort, 1 x DVI-D, 1 x VGA	1 x Display port, 1 x DVI-D, 1 x HDMI, 1 x VGA	
ELECTRICAL			
Power Supply	300W, 6-3A Fixed Power Supply	Dual 800W, 10-5A redundant power supplies	Dual 800W, 10-8A redundant power supplies
AC Power Input Voltage	100-240VAC, 50/60Hz, Auto-sensing		
Current (Max)	Max Output: +3.3Vdc, 17A; +5Vdc, 18A; +12Vdc, 24A; -12Vdc, 0.3A; +5Vsb, 4A; +3.3Vdc and +5Vdc, maximum 120W	Max Output: +3.3Vdc, 25A; +5Vdc, 25A; +12Vdc, 65A; +5Vsb, 4.5A; -12Vdc, 0.3A	Max Output: -12.0V, 0.3A; +12.0V1, 45.0A; +5Vsb, 4.0A; +12.0V2, 45.0A; +5.0V, 40A; +12.0V3, 450A; +5.0V, 40.0A; +3.3V, 30A
Full Load Power Consumption	482 BTU/hr	858 BTU/hr	1,196 BTU/hr
MECHANICAL			
Chassis Type	2U EIA 19-inch rack mount chassis		3U EIA 19-inch rack mount chassis
Dimensions (W x D x H)	19 x 19 x 3.5 in. (483 x 483 x 89 mm)	19 x 26 x 3.5 in. (483 x 660 x 89 mm)	19 x 26 x 5.2 in. (483 x 660 x 132 mm)
Weight (fully populated)	24 lbs. (10.9 kg)	47 lbs. (21.3 kg)	88 lbs. (32.9 kg)
Rail Kit	Rack mount rail kit included		
ENVIRONMENTAL			
Operating Temperature	50° to 104°F (10° to 40°C)		
Storage Temperature	14° to 158°F (-10° to 70°C)		
Relative Humidity	0% to 95% (non-condensing)		
STANDARDS COMPLIANCE			
Regulatory	CE, FCC (Class B), UL 60950, ROHS	CE, FCC (Class A), UL 60950, ROHS	

*Benchmark Channel Specification: H.264, 1600x1200, 30fps, 4096kbps, no motion detection



LenelS2.com

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Specifications subject to change without notice.

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