



LOGIPIX 4TH GEN NVR RACK-MOUNT

The Logipix 4th generation rack-mount NVR is a high-performance network video recorder specifically designed to record and manage the video streams of the latest generation of Logipix multi-sensor and single sensor cameras.

Connectivity options include linking Logipix ONE or Logipix Panorama cameras via its primary 10Gbit SFP+ socket. Additionally, it can manage Logipix Storage Expansion Units through its secondary 10Gbit SFP+ socket. For remote monitoring, it features a 1Gbit connection.

The device can handle up to 16 hot-swappable SATA HDDs, expandable with external Logipix Storage Expansion Units for enhanced storage capacity. Utilizing the VRM™ fail-safe file system, video frames are distributed across installed HDDs for efficient storage.

With a recording speed of 7 Gbit/sec, it ensures reliable recording of the 20 fps video streams from the Logipix cameras without any reduction in camera performance.

KEY FEATURES

- 1 port 10Gbit SFP+ socket for Logipix ONE cameras
- 1 port 10Gbit SFP+ socket for Storage Expansion Units or remote monitoring
- 1 port 1Gbit copper for remote monitoring
- 7Gbit/sec recording speed
- Up to 384 TB storage capacity without storage extender
- Logipix Storage Expansion units for further storage capacity (optional)
- Intelligent image transmission
- VRM™ Fail-safe file system
- Built-in RAID function
- Rack-mount enclosure

TECHNICAL SPECIFICATION

Part number	LNVR4-1616-I
Description	LNVR 4 th gen. 6Ux 400 mmx19" rack, 1x10Gbit SFP+ for cameras, 1x10Gbit SFP+ and 1x1 Gbit for remote monitoring, 16 hot-swap SATA HDD bay with VCA license
Application	Logipix VCA System
Number of Cameras	1 LPAN4 Panorama camera or 16 of 20 MP cameras can be connected
Number of HDDs	16
CPU board	Linux Operating System 12 Cores 3.8GHz CPU Diskless operation
Network	1 port 10Gbit SFP+ socket for Logipix cameras 1 port 10Gbit SFP+ socket for Logipix Storage Expansion units or remote monitoring 1 port 1Gbit copper for remote monitoring
Storage	SATA HDDs up to 384 TByte (can be increased with Storage Expansion Unit) VRM™ Failsafe Filesystem Built-in RAID function
Storage Extender	LNVR4-SE-16-I
Intelligence	Integrated Video Content Analysis
Approvals	EN 55032:2015/AC:2016, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011/A1:2015, IEC/EN 60529 IP66, IEC 60950-1

ELECTRICAL SPECIFICATION

Operating temperature	10°C - 35°C (50 °F to +95 °F)
Supply voltage	110 - 230 V AC
Power consumption	150 W without HDDs

MECHANICAL SPECIFICATION

Weight	19.5 kg (43 lbs)
Dimensions (W × D × H)	490 × 400 × 270 mm (6U 19" rackmount)
Package gross weight	23.5 kg (51.8 lbs)
Package dimensions	635 × 515 × 395 mm

RELATED COMPONENTS

LOGIPIX CAMERA

Part number	Description
LPAN4-200180	Logipix 200 Megapixel 180° Panorama Camera
LPAN4-300180	Logipix 300 Megapixel 180° Panorama Camera
LPAN4-320040	Logipix 320 Megapixel 40° Panorama Camera
LPAN4-DV-XX	Logipix Dual-Vision Panorama Camera
LPIX21-BGDA-XX	Logipix Glide Path Monitoring Bullet Camera
LPIX20-ONE-XX	Logipix One 20 Megapixel, 1" IP camera family
LPIX-PTZ-XX	Logipix PTZ camera family

LOGIPIX STORAGE EXPANSION

Part number	Description
LNVR4-SE-16-I	Logipix 4th gen. Storage Expansion Unit

LOGIPIX SOFTWARE

Part number	Description
LAARS	Airside Augmented Reality
LAVS	Airport Video Surveillance
ARCS	Advanced Ramp Control
DTVA	Video Extension for Digital Tower
LC3S	Command and Control Center
CC+	Control Center
LHS	Highway

APPLICATION AREAS

Logipix 4th generation NVR Rack-mount has been designed to serve the recording and intelligent image transmission tasks in large-scale video surveillance systems, built primarily with Logipix Panorama and Logipix ONE cameras. The LNVR4 can be efficiently used in wide where a lot of cameras are necessary to cover the entire area.

- Wide Area Monitoring solution
- Traffic Video Monitoring solution
- Highway Solution
- Airport Video Surveillance

ABOUT US

Logipix Technical Development Ltd. is a privately held company established in 1996 in Budapest, Hungary. Since then, Logipix has grown into an international company that it is today. We are among the most innovative technological companies in the world, developing and manufacturing intelligent video monitoring solutions specifically for large-scale projects and wide areas.

Logipix believes, serving the needs of customers efficiently can only be successful if they receive complete solutions. In order to achieve this, we design and create all the critical components to our solutions, including hardware, software and embedded computer vision. Our entire product range is developed and manufactured in Hungary in accordance with the highest quality requirements.

Our own, specially developed Image Processing Unit, moreover, Logipix Panoramic and Computer Vision Technologies allowed our company to reach new possibilities in video surveillance. Uniquely in the market we provide video analysis on hundreds of megapixel resolution JPEG2000 image streams.

We are proud that we stand among the leading pioneers in this ever-evolving market. We are deeply engaged with the constant research and development to provide complete, intelligent solutions using the latest microelectronic and computer technology available, while considering the various characteristics of different application areas.

CERTIFICATION

Logipix Ltd. operates an ISO 9001:2015 quality management system that covers software and hardware development, along with the entire manufacturing process.

The primary objective of Logipix Ltd. is to win the satisfaction and confidence of its customers within the framework of market competition. This is achieved via the quality of its services, which also includes compliance with the individual requests of customers, which we regard as legitimate even if not stipulated in the contract. We comply with the requirements of society laid out in laws and regulations, and achieve employee satisfaction via the effective and economic organization of their work.

In order to attain its objectives in quality policy, Logipix Ltd. undertakes the obligation to operate a quality management system developed and documented in compliance with the requirements of the MSZ EN ISO 9001:2015 standard.

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