

NVS-811RL

High Performance 24-channel AI NVR with 802.3 at/bt PoE



Features

- Supports 24CH IP video input
- Supports 2x 802.3bt (10/100 Mbps) and 22x 802.3at (10/100 Mbps) with PoE management
- Supports 2x 10/100/1000 Mbps uplink ports
- Supports 4x 3.5" SATA HDD
- Supports SW RAID 0,1,5,10
- Supports MXM Type A module
- Supports 2x HDMI 2.0 video outputs with 4K resolution
- Supports TPM 2.0
- Supports 2x M.2 2280 for OS storage and AI module
- Supports BMC management

Introduction

NVS-811RL is a high-performance 1U AI NVR that integrates a Intel® 15th Gen Core™ processor, video recording and analytics capabilities, a 24-port PoE switch, and a high-power PoE supply in a single system. It features 24 PoE ports with a total PoE power budget of up to 360W, supporting 2x 802.3bt and 22x 802.3at ports.

For local video storage, NVS-811RL supports up to four 3.5-inch SATA HDDs. It also supports an MXM Type A GPU module for AI acceleration, enabling advanced video analytics and image processing applications.

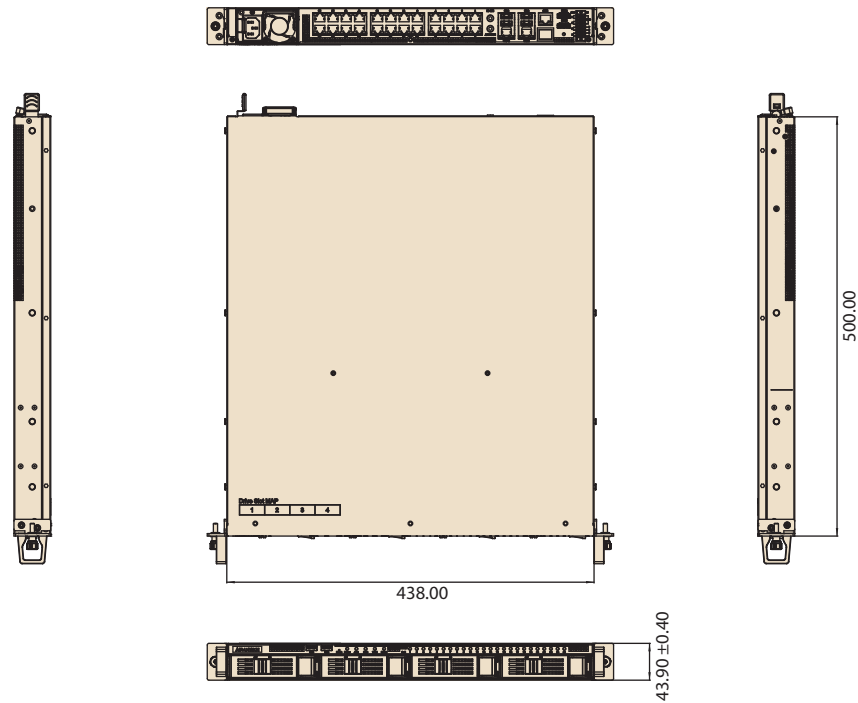
With its high-density PoE connectivity, local storage capacity, and GPU acceleration capability, NVS-811RL is suitable for applications such as banking, retail, healthcare, building surveillance, large-scale retail environments, and campus security.

Specifications

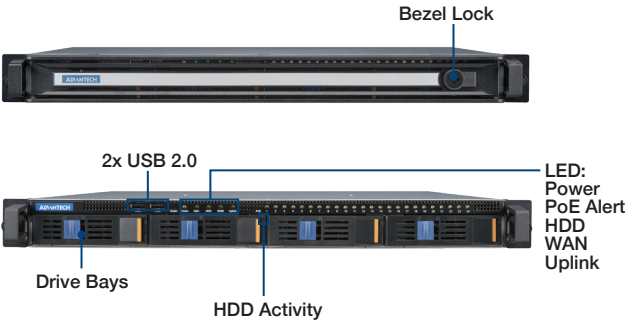
Model	Part Number	NVS-811RL	
System	Processor	Intel® 15 th Generation Core™ i7/ i5/ i3	
	Memory	Dual DDR5 SODIMM socket Up to 64GB DDR5 4800 MT/s	
	Expansion	1x MXM socket for MXM type A module 2x M.2 2280 sockets for NVMe storage or AI module 1x PCIe x4 slot for extension device (HW RAID card)	
Storage	SATA HDD	4x 3.5" HDD	
Front Panel	USB 2.0	2	
	LED Indicator	Power	1
		Alert	1
		HDD	1
		WAN	1
		Uplink	1
Rear I/O Panel	PoE Port	PoE	24
		USB 3.0	4
		802.3bt (10/100 Mbps)	2
	Total Power	802.3at (10/100 Mbps)	22
			360W
	Uplink	Gigabit Ethernet	2
	Display	HDMI	2
	DIO	4 in 4 out	
Mechanical	Audio	1x Line-out, 1x Line-in	
	Dimensions (W x L x H)	438 x 500 x 43.9 mm (1U)	
Power Management	Input	100-240 V _{AC}	
	Output	Voltage	54V/12V
		Wattage	800W
Environment	Temperature	Operation	0°C to 40 °C with 0.7m/s air flow
		Storage	-40 to 70 °C
	Humidity	Operation	95% RH @ 40°C, non-condensing
		Non-operating Humidity	95% RH @ 60°C, non-condensing

Dimensions

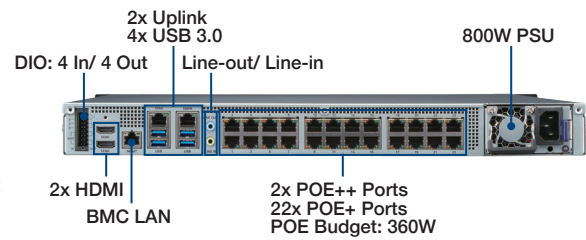
Unit: mm



Front View



Rear View



High performance video recorder with PoE switch

Part Number	Product Description	802.3bt	802.3at	PSU
NVS-811RL-24PB	Intel Core-24 ports PoE++ NVR	2	22	800W
NVS-811RL-24PA	Intel Core-24 ports PoE+ NVR	0	24	800W

*Note: CPU, memory, storage and operating system bundled by request.

Optional Accessories

Part Number	Product Description
TBD	Front Bezel
TBD	Rack Mount Slides
TBD	PCIex4 Riser Card