NVS-821RL

High performance 16 / 24 NVR with 802.3 at/bt PoE

Features

- Up to 24CH IP video input
- Up to 2x 802.3bt (10/100) and 22x 802.3at (10/100) with PoE management
- Supports 10/100/1000 Base uplink port
- Supports 8x 3.5" SATA HDD
- Supports SW RAID 0,1,5,10
- Supports 2x HDMI 2.0 video output with 4K resoulution
- Supports TPM 2.0
- Supports 2x M.2 2280 for OS storage and AI module
- Supports PCIex4 slot for system expansion
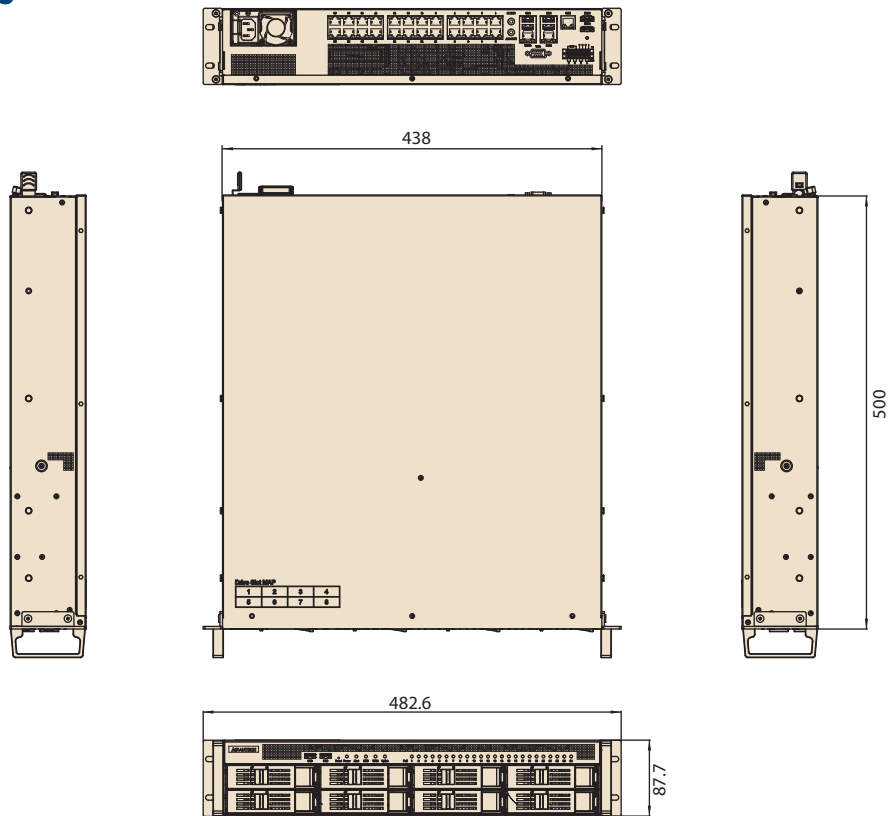- Supports BMC management

Introduction

NVS-821RL, 14th generation Intel core based professional NVR, combines server, network switch and camera power supply (802.3bt) into one system. It embedded 16 to 24 ports of PoE Lan for camera links with high power budget, and also supports eight 3.5" HDD storage capability. NVS-821RL can be perfectly applied to diversified usage cases such as banking, retail, healthcare, building surveillance as well as middle to large floor size of hypermarket.

Specifications

Model	Part Number		NVS-821RL-16P	NVS-821RL-24P
System	Processor		Intel® 14th Generation Core™ i7/i5/i3/Pentium	
	Memory		Up to 64GB DDR4 3200	
	Expansion		1x M.2 2280 socket for 2nd NVME storage or AI module 1x PCIex4 slot for extension device	
Storage	SATA HDD		8x 3.5" HDD	
	SATA SSD		1x M.2 2280 SSD	
Front Panel	USB 2.0		2	
		Power	1	
		Alert	1	
	LED Indicator	HDD	1	
		WAN	1	
		Uplink	1	
		PoE	16	24
Rear I/O Panel	USB 3.0		2	
	PoE Port	802.3bt (10/100)	2	2
		802.3at (10/100)	14	22
		Total Power	360W	360W
	Uplink	Gigabit Ethernet	2	
	Display	HDMI	2	
		VGA	1	
	DIO		4 in 4 out	
	Audio		1x Line-out, 1x Mic-in	
Mechanical	Dimensions (W x L x H)		438 x 500 x 87.7mm (2U)	
Power Management	Input		100-240 V_{AC}	
	Output	Voltage	54V/12V	
		Wattage	800W	
Environment	Temperature	Operation	0 to 40 °C	
		Storage	-20 to 70 °C	
	Humidity	Operation	20% to 90 % RH	

Dimensions

Unit: mm

High performance video recorder with PoE+ switch

Part Number	Product Description	802.3bt	802.3at	PSU
NVS-821RL-24PB	Intel Core-24 ports PoE++ NVR	2	22	800W
NVS-821RL-16PB	Intel Core-16 ports PoE++ NVR	2	14	800W
NVS-821RL-24PA	Intel Core-24 ports PoE+ NVR	0	24	800W
NVS-821RL-16PA	Intel Core-16 ports PoE+ NVR	0	16	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