NVS-500

High performance video recorder with PoE switch

Features

- Built in high power 802.3at PoE Switch (16/24 ports)
- 10/100/1000Base-T and SFP combo uplink port
- Supports Intel 4th Gen Core™ I processor (LGA1150) with Intel Q87 chipset
- Supports two 204-pin SO-DIMM up to 16GB DDR3 1333/1600 SDRAM
- Supports four 3.5" SATA HDD up to 16TB storage
- One 2.5" SATA HDD for OS storage
- Features USB 3.0 & USB 2.0
- Supports triple display of HDMI*2/VGA
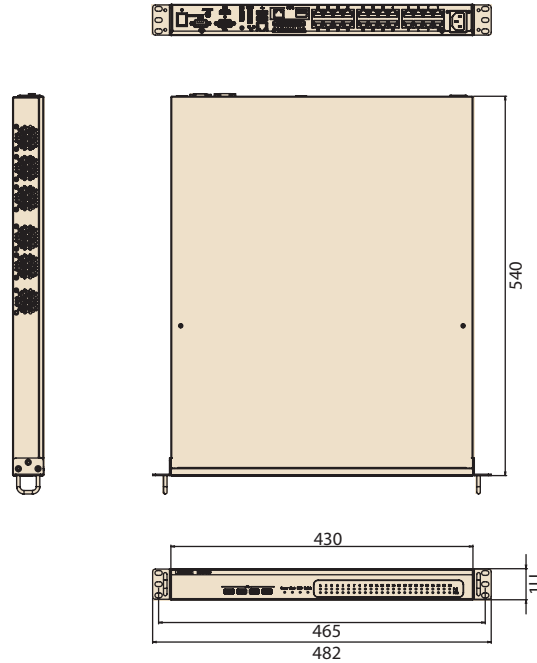
Introduction

NVS-500, 4th generation Intel core based professional NVR, combines server, network switch and camera power supply (PoE) into one system. It embedded 16 to 24 ports of PoE Lan for camera links with high power budget, and also supports four 3.5" HDD up to 16TB storage capability. NVS-500 can be perfectly applied to diversified usage cases such as banking, building surveillance as well as middle to large floor size of hypermarket.

Specifications

Model	Part Number		NVS-500EP-SA10E	NVS-500EP-SA20E
System	Processor		4th Gen. Intel Core i7/i5/i3	
	Chipset		Q87	
	Base Frequency		2.4GHz~3.1GHz	
	L3 Cache		3M~8M	
	Memory		Up to 16GB DDR3 SO-DIMM (1333/1600 SDRAM)	
Storage	SATA HDD		3.5" HDD x 4 (Up to 16TB) 2.5" HDD x 1 (for OS storage)	
Front Panel	USB 2.0		2	
	USB 3.0		2	
	LED Indicator	Power	1	
		Alert	1	
		HDD	1	
		Uplink	1	
		PoE	16	24
		Data Link	16	24
Rear I/O Panel	USB 3.0		2	
	PoE Port	802.3at (10/100)	16	24
		Total Power	400W	
	Combo Uplink	Gigabit Ethernet	1	
		SFP	1	
	RJ45 (from PCH)		1	
	Display	HDMI	2	
		VGA	1	
	eSATA (Gen II)		1	
	Serial		RS-232/422/485 (BIOS Control)	
	DIO		4 in 2 out	
	Line-out		1	
Mechanical	Dimensions (W x L x H)		430x540x44.5mm (1U)	
Power Management	Input		100-240 V_{AC}	
	Output	Voltage	54V/12V	
		Wattage	600W	
Environment	Temperature	Operation	0 to 40° C	
		Storage	-20 to 70° C	
	Humidity	Operation	20% to 90 % RH	

Dimensions

Unit: mm

540

430

465

482

1U

Ordering Information

Part Number	Product Description	PCH	PoE	PSU
NVS-500EP-SA10E	Intel Core-16 ports PoE NVR	Q87	16	600W
NVS-500EP-SA20E	Intel Core-24 ports PoE NVR	Q87	24	600W

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