

# NVS-160

## Embedded Video Recorder with PoE Switch



### Features

- Embedded PoE Switch supports 802.3at/802.3af
- 10/100/1000Base-T and SFP combo uplink port
- Up to 16 Power over Ethernet ports (IP video recorder)
- Up to 8 composite video inputs (Hybrid video recorder)
- Soldered NAND flash
- Supports two 3.5" SATA hard drive disks
- 4 dry contact inputs and 1 relay output
- One HDMI display output

### Introduction

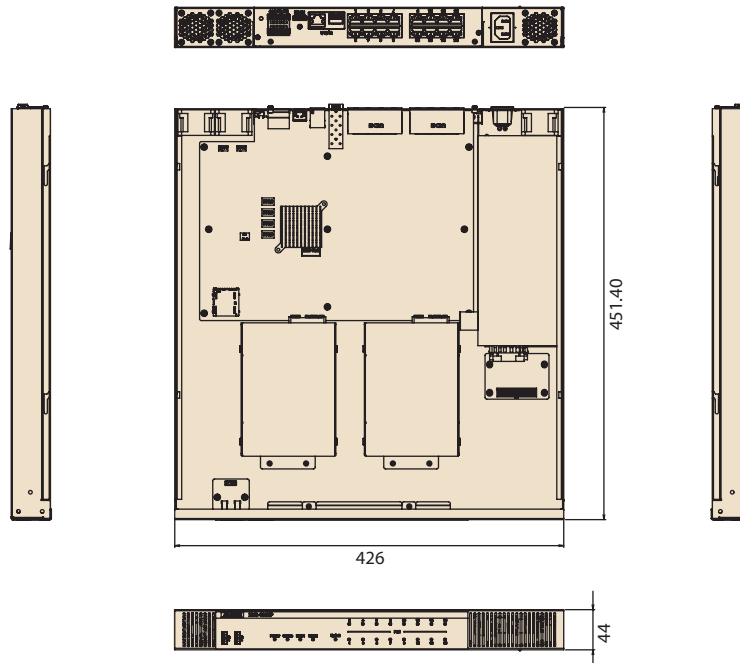
Advantech NVS-160 DSP-based video recorder combines the functions of a high performance Network Video Recorder with a power-over-Ethernet (PoE) Switch into one system. It provides PoE ports and optional composite video inputs, with automatic configuration, recording, and uplink with specific management software.

### Specifications

Model	Part Number	NVS-160EP-SA31E	NVS-160EH-SA31E	
System	Processor	TI TMS320DM8168		
	Memory	2Gb*4 DDR3-1333		
	Storage	SATA-II 3.5" HDD x 2 On board 2Gb NAND flash SD&MMC x 1		
	Internal fan	2		
Front Panel	USB 2.0	2		
	Indicators	PoE status	16 (Port 1~16)	8 (Port 1~8)
		Composite	N/A	8 (Port 9~16)
		Power	1	
		System status	1	
		HDD	2 (HDD 1~2)	
Uplink	1			
Rear I/O Panel	PoE Port	802.3af	12 (Port 1~12)	8 (Port 1~8)
		802.3at	4 (Port 13~16)	N/A
		Total Power	220W	80W
	Composite Input	N/A	8 (Port 9~16)	
	Combo Uplink	Gigabit Ethernet	1	
		SFP	1	
	Display	HDMI	1	
Serial	Rx/Tx			
	DIO	Digital Input	4 (dry contact)	
	Digital Output	1 (relay)		
Physical Characteristics	Form factor	1U		
	Dimensions (W x L x H)	450 x 426 x 44.6mm		
Power Management	Input	100 - 240 V <sub>AC</sub>		
	Output	Voltage	53V/12V	53V/12V
		Current	6.5A/9.0A	4A/7A
Wattage	450W	296W		
Environment	Temperature	Operation	0 to 40° C	
		Storage	-20 to 70° C	
	Humidity	Operation	20% to 90 % RH	
		Storage	5% to 95 % RH	

## Dimensions

Unit: mm



## Ordering Information

Part Number	Product Description	PoE Ports	Composite Inputs
NVS-160EP-SA31E	DSP based IP Video Recorder	16	N/A
NVS-160EH-SA31E	DSP based Hybrid Video Recorder	8	8

## Optional Accessories

Part Number	Product Description
SFP-GZX/LC-70E	1000Base-ZX Single mode SFP module
SFP-GSX/LC-AE	1000Base-SX Multi mode SFP module
SFP-GTX/RJ45-AE	1000Base-T RJ45 SFP Module

## Packing List

Item	Quantity
Terminal plug	2
HDD screw	8
Power cord	1
Rank mount kits	1