

NVS-300

Intelligent IP Video Recorder with PoE Switch



Features

- Intel® Celeron® J1900 Quad Core 2.0 GHz SoC
- DDR3L 1333MHz supports up to 8GB
- Supports 1 x Realtek GbE
- 4 x PoE ports to support IP camera
- 1 x removable 2.5" SATA HDD bay and 1 x mSATA slot
- Supports dual independent displays: VGA and HDMI
- 4 x dry contact inputs and 2 x relay outputs
- 1 x serial port (RS-232/422/485)
- 1 x USB 3.0 and 2 x USB 2.0

Introduction

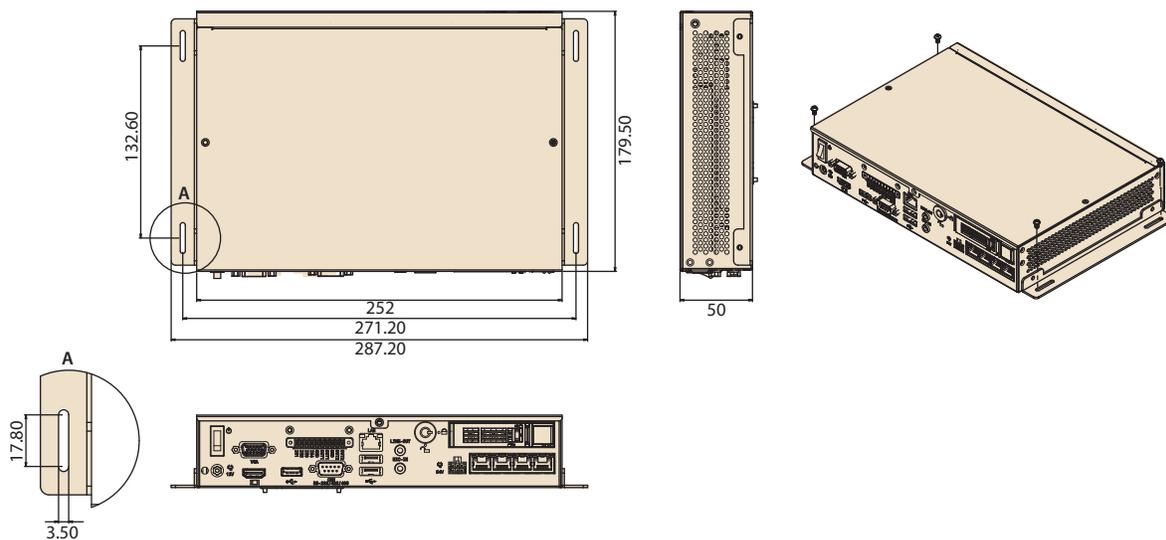
NVS-300 provides a perfect video surveillance platform for diversified applications such as retail, casino and entertainment. NVS-300 x86 architecture system combines the functions of a high performance Network Video Recorder with a Power-over-Ethernet (PoE) switch into one system. It not only supports up to 4 x PoE ports for IP cameras but its compact enclosure and removable 2.5" HDD bay with lock is ideal for all kinds of security application requests. The x86 open platform also eases application software integration and make NVS-300 the best solution for video surveillance applications.

Specifications

Model	Part Number	NVS-300XP-SA10E
Processor System	CPU	Intel J1900
	Max. Speed	2.0 GHz (Quad core)
	L2 Cache	2 MB
	BIOS	AMI 64 Mbit SPI
Memory	Technology	Dual Channel DDR3L 1066/1333 MHz SDRAM
	Max. Capacity	8 GB
	Socket	2 x 204-pin SO-DIMM (Non-ECC)
Graphics	Controller	Intel gen 7 graphics engine and media decode engine; CPU frequency: 688 MHz
	VGA	Up to SXGA 1920 x 1200 @ 60 MHz
	HDMI	Up to HDMI rev1.4a (1920 x 1080p @ 60 Hz)
Ethernet	Interface	10/100/1000 Mbps
	Controller	Gbe LAN: Realtek 8111E
	Connector	1 x RJ-45
SATA	Max Data Transfer Rate	300 MB/s
	Channel	2 (SATA1 support 2.5" HDD; SATA2 support mSATA)
Front I/O	LED indicators	Power: White HDD access: Green PoE: Orange
Rear I/O	VGA	1
	HDMI	1
	Ethernet	1
	USB 2.0	2
	USB3.0	1
	Audio	Mic in; Line out
	Serial Ports	1 (RS-232/422/485 by jumper setting)
	DIO	4 in; 2 out
	PoE ports	4 (Support IEEE 802.3af/at, total 80W shared by 4 ports)
	Storage	2.5" HDD Bay
mSATA		1 slot
Power Requirement	Power Input Voltage	12V for system ; 54V for PoE functionality (optional)
	Power type	Adapter
Mechanical	Mounting	Wall mounting (optional)
	Dimension	252 x 179.5 x 50 mm (iron front); 252 x 184 x 50 mm (aluminum front)
Environment	Operating Temperature	0 to 40° C
	Storage Temperature	(-20 to 70° C)
	Relative Humidity	20% to 90 % RH

Dimensions

Unit: mm



Wall Mount

Ordering Information

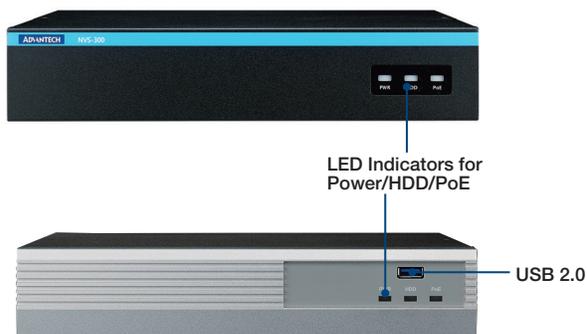
Part Number	Description
NVS-300XP-SA10E	Intelligent IP Video Recorder with 4 PoE ports Intel Celeron SoC J1900 Mini-ITX with VGA and HDMI, DIO- 4 in & 2 out, 2.5" HDD Bay

Note: 12V power adapter for system input is included.

Optional Accessories

Part Number	Description
DVSP-100CV-0000E	TV-out (composite) converter
XDVS-FSP090AWAN2	54V, 90W power adapter for PoE functionality
1960064836N001	Wall mount bracket
1702002600	Power cable 3-pin 180cm, USA type
1702031801	Power cable 3-pin 180cm, UK type
1702002506	Power cable 3-pin 180cm, EU type
1700000237	Power cable 3-pin 180cm, PSE type
2070013571	NVS-300_WES7_x64_10MUI_V5.6.6
2070013569	NVS-300_WES7_x32_4MUI_V5.1.6

Front I/O



Note: Customized printing logo and front panel could be supported by request.

Rear I/O

