

MIC-710IVA

8ch AI Network Video Recorder on NVIDIA Jetson® NANO



Features

- NVIDIA Jetson™ NANO embedded
- Support 8ch PoE Video Input
- Support 2 x 3.5" HDD
- Bundle with Linux Ubuntu 18.04 with BSP
- Low power consumption
- H.264 / H.265 camera supported
- Jetpack 4.2.1 compatible



Introduction

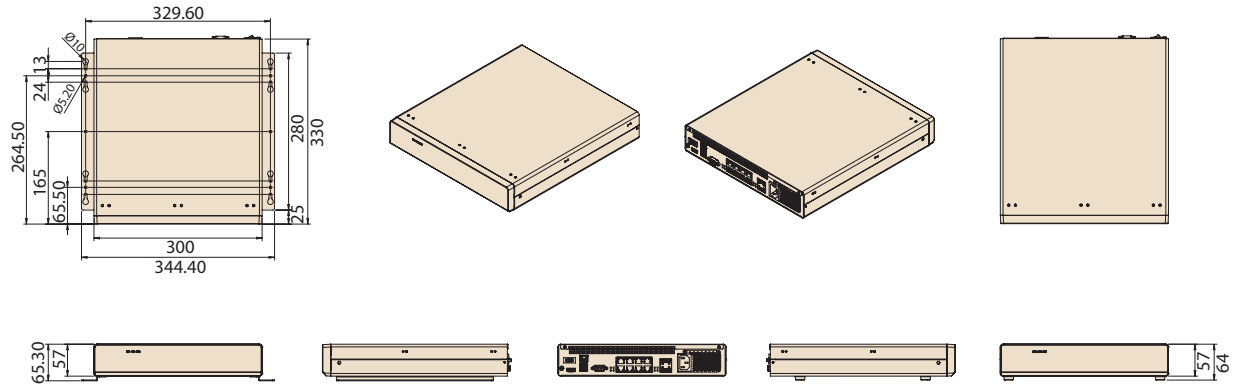
MIC-710IVA is the ARM based system which integrated NVIDIA® Jetson™ NANO System-on-Module processor, providing 128 CUDA® cores. It is designed for the edge AI NVR support rich I/O with low power consumption. The system has 4GB LPDDR4 memory, 4K video decode/encode, 8ch POE and 2 x 3.5" HDD expansion.

Specifications

		MIC-710IVA
Processor System	CPU	Quad Core ARM Cortex A57 (Max. Operating Frequency: 1.43GHz)
	GPU	Maxwell GPU, 128 CUDA core, Performance up to 512 GFLOPS (FP16) (Max. Frequency: 921MHz)
	Memory	4GB LPDDR4
	Flash	16G of eMMC
Camera Interface PoE	Controller	MICROSEMI PD69104B11LQ
	LAN Switch	Realtek RTL8316SI
	Bandwidth	10/100 Mbps
	Compliant	IEEE 802.3af
	Power Output	15.4W
Ethernet	Interface	RJ45 x 1
	Controller	Intel® i211AT
	Speed	10/100/1000 Mbps
I/O	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	USB 3.0 x 1 USB 2.0 x 1
	DI/DO	8 bit
	Power Switch	Power ON/OFF Switch x 1
	OTG USB	USB2.0 x 1 (Internal)
	COM	RS-485 x 1
Storage	Storage	3.5" HDD x 2 (Internal)
Power	Power Supply Voltage	AC100-240V 250W ATX
	Operational Temperature	0 - 40 °C with 0.7 m/s air flow
Environment	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	0.5 Grms @ 5 - 500 Hz, random, 1 hr/axis
	Dimensions (W x D x H)	300 x 330 x 57mm (11.8" x 13" x 2.24")
Mechanical	Weight	3 kg
	Installation	Desktop
Operating System	Linux	Ubuntu 18.04
Certifications		CE/FCC/BSMI

Dimensions

Unit: mm



Ordering Information

Part Number	CPU	Memory	eMMC	HDMI	POE	USB 3.0 / USB 2.0	DI/DO	LAN
MIC-710IVA-00A1	NVIDIA Jetson NANO	4GB	16G	1	8	1/1	8	1

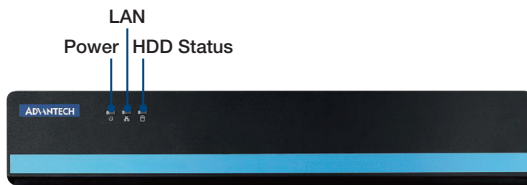
Packing List

Part Number	Description
MIC-710IVA	AI NVR based on NVIDIA Jetson® NANO
1960091140N000	3.5"HDD Bay bracket (2pcs)
1700017161-21	HDD SATA Cable (2pcs)
1700023588-01	USB Cable for Software Image update (1pcs)
1960005359T002	Mounting bracket (2pcs)
1990005896S000	Rubber foot pads (4pcs)

Optional

Part Number	Description
989K008734	Module to securely fix two 2.5" HDDs in one 3.5" HDD Bay

Front View



Rear View

