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 OS with BSP
- Low power consumption
- H.264 / H.265 camera supported
- RS-485 and 8 Bit DI/DO

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.

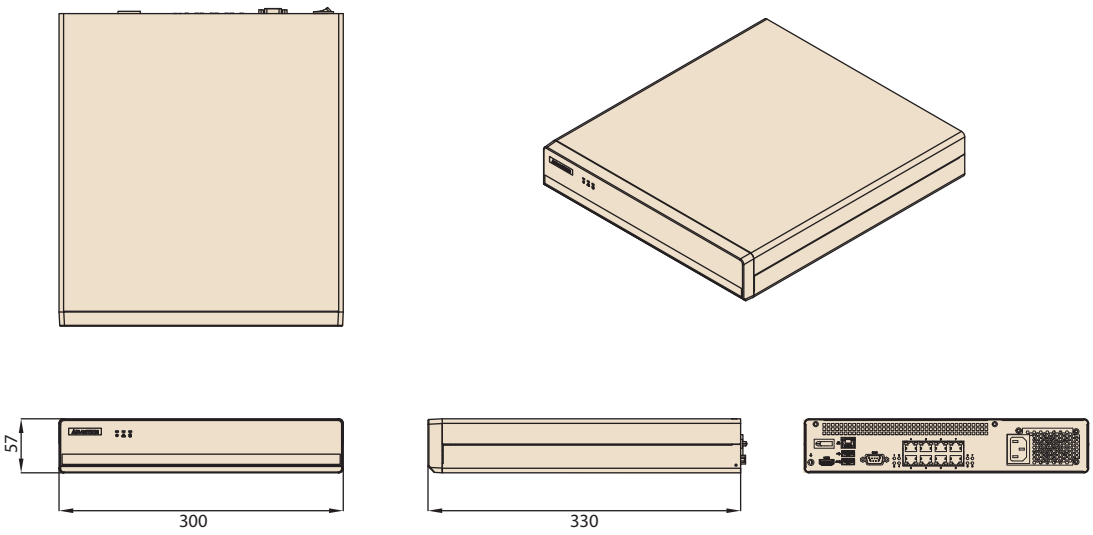
Specifications

		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 PD69104B1ILQ
	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 150W ATX
Environment	Operational Temperature	0 ~ 40 °C with 0.7 m/s air flow
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	0.25 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical	Dimensions (W x D x H)	300 x 330 x 57mm (11.8" x 13" x 2.24")
	Weight	3 kg
	Installation	Desktop
Operating System	Linux	Ubuntu 16.04
Certifications		CE/FCC

All product specifications are subject to change without notice.

Dimensions

Unit: mm



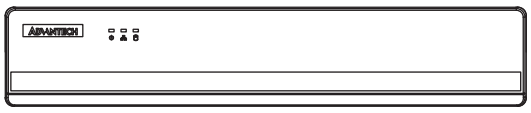
Ordering Information

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
2001710I00	User Manual

Front View



Rear View