

MIC-710IVA

8ch AI Video System 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



Introduction

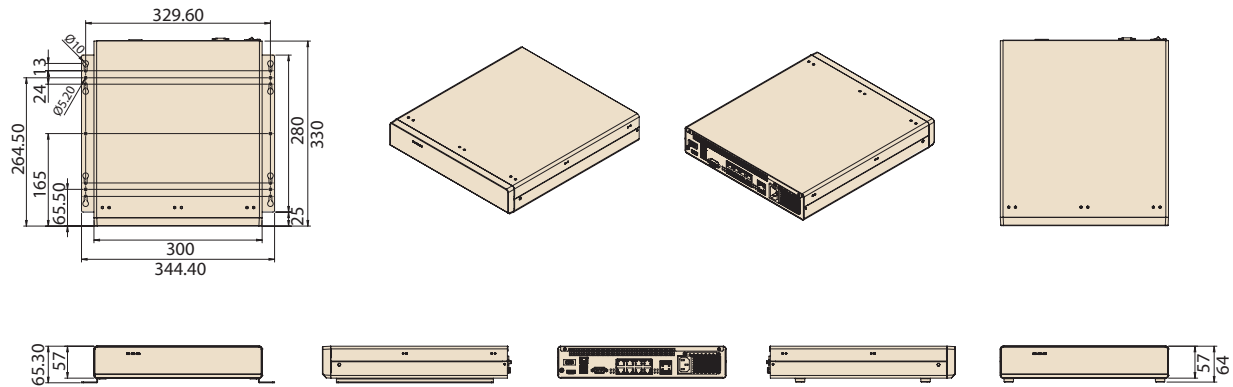
MIC-710IVA is the ARM based system which integrated NVIDIA® Jetson™ NANO System-on-Module processor, providing 128 CUDA® cores. It is designed for the edge AI video system which supports rich I/O with low power consumption. The system has 4GB LPDDR4 memory, 4K video decode/encode, 8ch POE and 2 x 3.5" 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	Drive Bay	3.5" HDD x 2 (internal) or 2.5" HDD x 2 via 989K008734 module (optional)
	SATA Port	2
Power	Power Supply Voltage	AC100-240V 250W ATX
Environment	Operational Temperature	0 - 40 °C with 0.7 m/s air flow
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	0.5 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 18.04
Certifications		CE/FCC/BSMI/CCC

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

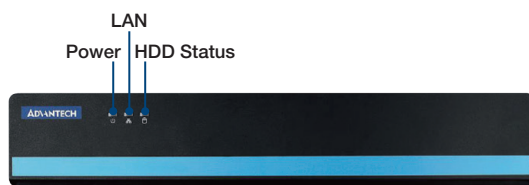
Packing List

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

Optional Accessory

Part Number	Description
989K008734	Module to securely fix two 2.5" HDDs in one 3.5" HDD Bay
1700027928-01	UL Power core (125V, 15A)
1700027909-02	BSMI Power Core (125V, 15A)
1702002605	EU Power Core (250V, 10A)

Front View



Rear View

