NUVIS-3304AF -SERIES INDUSTRIAL COMPUTERS

End-of-Life 07/2019

N3304AF-E-I7QC
Intel® Core™ i7-3610QE, PCI Express



- Intel® 3rd Gen. Core™ processor
- Designed for machine vision applications
- 4x USB3.0 & 4x GigE PoE
- PICe or PCI card expansion

PRODUCT DESCRIPTION

Nuvis-3304af is a fanless embedded vision system dedicatedly designed for machine vision applications. Inheriting Neousys' proven fanless architecture and Power-over-Ethernet technology, Nuvis-3304af combines superb computing performance, integrated camera interfaces and great reliability in its compact chassis.

As accurate trigger/strobe control is crucial for machine vision applications, Neousys developed a new technology, Deterministic Trigger I/O, or DTIO, on Nuvis-3304af. Unlike legacy isolated DIO, this patented DTIO technology allows users to program a deterministic timing correlation between input and output signals at a resolution of 25 microseconds. With DTIO, your vision system can have extremely precise control for proximity sensor input, strobe output and camera trigger.

Camera connectivity is another key for vision systems. In addition to integrated PoE and USB3 ports, Nuvis-3304af is provided with Neousys' patent Cassette design for PCIe/PCI expansion. By installing dedicated interface card, Nuvis-3304af can work with analog, 1394, Camera Link or CoaXPress camera. Or you can integrate a motion control card to fulfill an all-in-one inspection system.

Combining the quad-core CPU performance, PoE/USB3 camera interface, innovative DTIO and Cassette technology, Nuvis-3304af is the perfect platform for your vision application.

Features:

- Intel® 3rd-Gen i7 Quad-core superb performance
- Integrated camera interfaces
  - 4x 802.3af Gigabit PoE ports via Intel®I210
  - 4x USB 3.0 ports
- Patented Deterministic Trigger I/O technology for accurate trigger/strobe control
- Patent Cassette* design for PCIe/PCI add-on card expansion
- Per-port PoE power on/off control
- Rugged, wide temperature range from -25°C to 70°C fanless operation
- (* R.O.C Patent No. I526834)

SPECIFICATIONS

Chipset	Intel® HM76 Platform Controller Hub
CPU	Intel® Core™ i7-3610QE (2.3/3.3 GHz, 6 MB cache)
Depth	225 mm
Height	89.7 mm
Memory RAM	16 GB
Shock Resistance	50 Grms (IEC60068-2-27)
Supply Voltage DC Max	25 V DC

Supply Voltage DC Min	8 V DC
Temperature range bearing, from	-40 °C
Temperature range bearing, to	85 °C
Temperature range from	-25 °C
Temperature range to	60 °C
Vibration Resistance	5 Grms (IEC60068-2-64)
Weight	4.4 kg
Width	240 mm