

## NUVIS-5306RT -SERIES VISION CONTROLLER

N5306RT-DTIO-I7

Nuvis-5306RT Core i7-6700 DTIO v2



- Intel® 6th Gen. Core™ processor
- Supports NVIDIA 75W GPU for GPU-accelerated MV
- Real-time I/O for vision devices
- 4x Gige PoE & 4x USB3.0

### PRODUCT DESCRIPTION

Introducing the most powerful vision controller ever built! Nuvis-5306RT integrates every single function you need for machine vision applications in a compact footprint, including exceptional computing power, built-in camera interfaces and real-time vision-specific I/O control.

To ensure high quality images, a MV system requires accurate interaction between lighting, camera, actuator and sensor devices. Nuvis-5306RT integrates LED lighting controller, camera trigger, encoder input, PWM output and digital I/O, to connect and control all the vision devices. All the vision-specific I/O are managed by Neousys' patented MCU-based architecture and DTIO/NuMCU firmware to guarantees microsecond-scale real-time I/O control.

Computing power is another crucial requirement for a vision system. In addition to the remarkable performance brought by its Intel® 6th Gen Core™ i7/i5 CPU, Nuvis-5306RT can further accommodate NVIDIA® 75W TDP GPU to leverage GPU-accelerated vision library or deep-learning vision software. Combining built-in PoE+ and USB 3.0 interfaces and the expandability for CameraLink and CoaXPress, Nuvis-5306RT is the ideal platform for demanding MV applications.

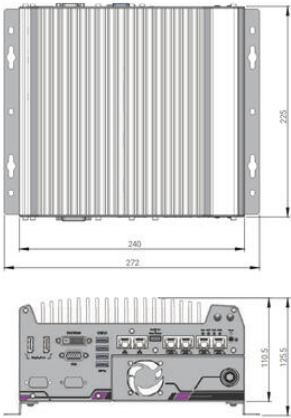
Features:

- Intel® 6th Gen Core™ i7/i5 65W/35W CPU, up to 32 GB DDR4
- Integrated vision-specific I/O
  - 4-CH CC/CV lighting controller
  - 4-CH camera trigger outputs
  - 1-CH quadrature encoder input
  - 8-CH isolated DI and 8-CH isolated DO
- Patented MCU-based, real-time I/O control by DTIO V2 and NuMCU
- Built-in camera interfaces
  - 4-CH IEEE 802.3at Gigabit PoE+ ports
  - 4-CH USB 3.0 ports
- Supports NVIDIA 75W GPU for GPU-accelerated MV

## SPECIFICATIONS

<b>12834_Computertype</b>	Edge
<b>AMT</b>	Intel® AMT 11
<b>Chipset</b>	Intel® Q170 Platform Controller Hub
<b>DC Input</b>	1x 3-pin terminal plug
<b>Depth</b>	240 mm
<b>Height</b>	111 mm
<b>Memory RAM</b>	32 GB
<b>Processor</b>	Intel® Core™ i7-6700 (8M Cache, 3,4/4,0 GHz, 65W)
<b>Remote Control</b>	Yes

<b>Shock Resistance</b>	50 Grms (IEC60068-2-27)
<b>Supply Voltage DC Max</b>	32 V DC
<b>Supply Voltage DC Min</b>	8 V DC
<b>Temperature range bearing, from</b>	-40 °C
<b>Temperature range bearing, to</b>	85 °C
<b>Temperature range from</b>	-25 °C
<b>Temperature range to</b>	60 °C
<b>TPM</b>	TPM 1.2
<b>Weight</b>	4.9 kg
<b>Vibration Resistance</b>	5 grms, 5-500 Hz, 3 axes (with SSD, according to IEC60068-2-64)
<b>Width</b>	225 mm



Unit : mm