IVIS-200 SMART CAMERA FRAMEWORK

IVIS-210B-MVS
Neousys iVIS-210B-MVS, Basler Dart camera



- Intel® Atom™ E3845 quad-core 1.91 GHz processing power
- Built-in GigE/USB3/USB2 camera interfaces
- DTIO technology for accurate trigger/strobe control
- PoE+ PD and auxiliary DC dual power input
- ITS versions are IP50/IP67 rated

PRODUCT DESCRIPTION

iVIS-200 is a Atom™ E3845 processing unit as part of an innovative smart camera framework, where you can build up your own x86-based smart camera by integrating an off-the-shelf camera.

iVIS-200 integrates leading-edge technologies its ultra-compact footprint. In addition to internal GigE/USB3/USB2 camera interfaces, it incorporates Neousys' DTIO technology for precise trigger/strobe control and built-in constant current/constant voltage LED controller for directly driving LED light. Moreover, iVIS-200 carries 802.3at PoE+ PD (Powered Device) capability, so you can simply access and power your smart camera with just one Ethernet cable.

Targeting on different vertical markets, iVIS-200 series is offered in several barebone configurations. iVIS-210B-MVS and iVIS-211B-MVS are designed for machine vision applications. Both of them come with a slim enclosure to accommodate Basler Dart and Point Grey Chameleon3 board camera respectively. iVIS-220B-ITS and iVIS-227B-ITS, aiming at intelligent traffic system, are equipped with an IP50 and an IP67 enclosure to accommodate a 29mm x 29mm USB3/GigE camera. They also feature a mini-PCIe slot with SIM support for installing a 3G/4G/WIFI module.

iVIS-200 and the innovative framework expand the possibility of smart camera. With iVIS-200, you can quickly develop a smart camera based on Windows/Linux open platform and maximize your effort on vision software.

SPECIFICATIONS

Depth	43 mm
Height	153 mm
Memory RAM	8 GB
Processor	Intel® Atom™ Bay Trail-I E3845 Quad-core
Shock Resistance	50 Grms (IEC60068-2-27)
Supply Voltage DC Max	24 V DC
Supply Voltage DC Min	12 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)

Width	83 mm