

EOS-1300

4CH Compact Gige Vision System with 6th Generation Intel® Core™ i7/i5/i3 Processors

Features

- 6th Generation Intel® Core™ i7/i5/i3 Processors
- Up to 4CH Gigabit PoE (Power over Ethernet),
- FPGA-implemented DI/O functions provide programmable de-bounce filter, on the fly trigger out and Encoder functions
- Configurable Sink or Source DO via external wiring
- Supports 12x isolated DI, 16x isolated DO, 2x encoder input, and 4x USB 3.0
- One-side I/O for easy maintenance
- On-board SHA-256 security EEPROM for license protection



Introduction

ADLINK's EOS-1300 is a high performance compact vision system equipped with 6th Generation Intel® Core™ i7/i5/i3 processors and four independent PoE (power over Ethernet) ports, delivering data transfer rates up to 4.0 Gb/s. EOS-1300's FPGA based DI/O provides programmable de-bounce filter, on the fly trigger, and user wiring Sink/Source DO and Encoder functions, making it the ideal solution for machine vision applications requiring high computing power and time deterministic solutions with minimal footprint.

The EOS-1300 DI/O provides minimal and fixed latency without occupying CPU resources. The DI/O function provides APIs allowing programming for de-bounce filter of DI, delay time, and pulse width of DO and also advanced Encoder functions suitable for conveyor applications. The highly flexible design supports either Sink or Source DO via external wiring.

With all I/O connectors on one side for easy installation, and the latest 6th Generation Intel® Core™ i7/i5/i3 processor, powerful and flexible DI/O, and compact size, the EOS-1300 is the perfect vision system for automation and machine vision.

Software Support

- **OS Information**
Windows 7/10 64 bit

Ordering Information

- **EOS-1300/M4G/500G HDD**
4-CH GigE Vision System with 6th Intel® Core™ i7-6700 4.0GHz processor, 4GB RAM and 500G HDD
- **EOS-1310/M4G/500G HDD**
4-CH GigE Vision System with 6th Intel® Core™ i5-6500 3.6GHz processor, 4GB RAM and 500G HDD
- **EOS-1320/M4G/500G HDD**
4-CH GigE Vision System with 6th Intel® Core™ i3-6100 3.7 GHz processor, 4GB RAM and 500G HDD
- **EOS-1330/M4G/500G HDD**
4-CH GigE Vision System with 6th Intel® Core™ G3900 2.8 GHz processor, 4GB RAM and 500G HDD

Optional Accessories

- **DB37M-HDB26M**
Cable for I/O1, 26 pin to 37 pin, L=1.5M
- **ACL-10137-1MM**
Cable for I/O2, L=1.0M
- **DIN-37D-01**
37-pin D-sub Termination board with DIN rail
- **220W industrial-grade AC adaptor**
- **EOS-1300 Din Rail mount kit**
- **EOS-1300 Wall mount kit**

Specifications

| | |
|-------------------|---|
| CPU | Intel® Core™i7-6700 / Intel® Core™ i5-6500 / Intel® Core™ i3-6100 / Intel® Celeron® G3900 |
| System Memory | Up to 32 GB DDR4 at 2133MHz |
| Camera Interface | 4CH Gigabit PoE IEEE 802.3af compliant, total max. power output 32W |
| Chipset | Intel® H110 |
| Display | 2 display ports with resolution up to 4096 x 2160 |
| USB | 4x USB 2.0 and 4x USB 3.0 ports (internal 1x USB 2.0) |
| Audio | 7.1 channel audio via 5 jacks and S/PDIF output |
| COM Ports | 1x RS-232/422/485 and 1x RS-232 |
| Digital I/O | 12x isolated DI (4x DI can be configured to Trigger in); 2x Encoder input; 16x isolated DO (4x DO can be configured to Trigger Out) user wiring Sink/Source DO |
| Keyboard/Mouse | USB type |
| Power Supply | DC 24V, ATX mode |
| Operating Temp | 0°C to +55°C (32°F to 131°F) |
| Humidity | 0% to 90% |
| Dimensions | 232W x 180.8D x 82.8H mm (9.1 x 7.1 x 3.2 in) |
| Power Consumption | Up to 165W |
| Storage | 1x 2.5" SATA interface |
| Random Vibration | Operating 0.5 Grms, 5-500 Hz, 3 axes w/ HDD |
| Safety compliance | CE/FCC, UL, RoHS |

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