EOS-2000

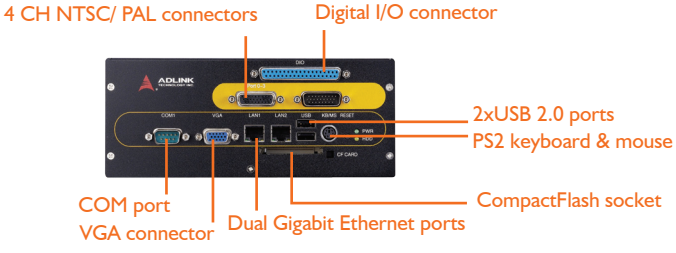
4-CH Analog Embedded Vision System with Intel® Core™2 Duo P8400 Processor



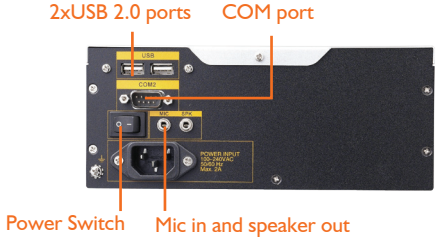
Introduction

ADLINK's EOS-2000 is a rugged and compact vision system that features an Intel® Core™2 Duo P8400 processor and four channels for NTSC/PAL image acquisition. This system is ideal for high computing power and multi-camera imaging applications such as alignment, assembly inspection, and gauging.

By selecting long-life embedded components and incorporating system monitoring components to watch CPU temperature, fan speed, and system responsiveness, the EOS-2000 provides a very robust and reliable platform for mission critical applications.



EOS-2000 Front View



EOS-2000 Back View

Features

- **Compact and rugged system design**
- **Embedded Intel® Core™2 Duo P8400 CPU**
- **Multi-camera support: up to four NTSC/PAL cameras**
- **Rich I/O support: RS-232/485, USB, and isolated digital I/Os**
- **Dual storage support: HDD and CompactFlash cards**
- **Hardware monitoring: temperature, voltage, and watchdog timer**

Software Support

OS Information

- Windows® 8/7/XP/XP Embedded

Specifications

CPU	Intel® Core™ Duo P8400, 2.26 GHz
System Memory	Up to 4 GB DDR3
Camera Interface	4-CH NTSC/PAL
Chipset	Intel® GM45 / ICH9 chipset
VGA	Analog CRT support up to 1600 x 1200
USB	Four USB ports, USB 2.0 compliant
Audio	AC97, Mic In/Speaker Out
COM Ports	COM1/COM2:RS-232/RS-422/RS-485(BIOS Setting)
Digital I/O	16-CH isolated digital input and output, 5.0 KV isolation protection
Keyboard/Mouse	PS/2 type mini-DIN connectors
Power Supply	DC: 10 to 30 VDC, AT mode
	AC: 100 to 240 VAC, AT mode
Operating Temp.	0°C to +55°C (32°F to 131°F)
Humidity	0% to 90%
Dimensions	200 (W) x 165 (D) x 85 (H) mm (7.9" x 6.5" x 3.3")
Power Consumption	50 W (with 2 GB DDRAM and 2GB CompactFlash)
Storage	On-board SATA port for 2.5" HDD/SSD installation
	1 type I CF socket, supporting PIO and DMA modes
Random Vibration	Operating: 5 to 100 Hz, 0.00142 g2/Hz; 100 to 500 Hz, -6 dB/Octave, 0.5 Grms, 3 axes, 30 minutes/axis
Safety compliance	CE/FCC, RoHS

Ordering Information

EOS-2000
4-CH analog embedded vision system with Intel® Core™2 Duo P8400 processor

Optional Accessories

4 GB DDR3 upgrade
Upgrade to 4 GB DDR3 memory

160 GB HDD option
Factory-installation of 160 GB SATA hard disk drive

8 GB / 40 GB SSD option
Factory-installation of 8 GB / 40 GB SATA solid state disk

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LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000