

NI EVS-1464 (Windows)

Vision System with Windows 7, GigE Vision, IEEE 1394b

- High-performance, multicore processor, 2 GB RAM for fast inspections and large images
- Connectivity to multiple cameras for simultaneous inspections (GigE Vision and IEEE 1394 standards)
- High I/O count for synchronization and industrial communication
- Fanless design
- Configure with Vision Builder for Automated Inspection or program with the Vision Development Module



Overview

The NI Embedded Vision System is a fanless controller that combines industrial camera connectivity and open communication with the high performance and flexibility of a multicore processor.

The NI EVS-1464 is designed to process images from multiple GigE Vision and IEEE 1394 cameras. The Windows 7 operating system makes it possible to develop and modify inspections from the deployment hardware and to integrate with other software programs on the platform.

With a high isolated and TTL I/O count, FPGA-enabled digital I/O, fast multicore processor performance, and 2 GB RAM, the EVS-1464 can synchronize with programmable logic controllers (PLCs), human machine interfaces (HMIs), and motion controllers for more complex, higher-speed inspections that incorporate operator interaction.

Like all NI vision hardware, you can configure the EVS-1464 using NI Vision Builder for Automated Inspection (AI) featuring its easy-to-use, menu-driven environment or the NI Vision Development Module combined with LabVIEW and text-based environments for applications that require a programmatic solution.

Specifications

Specifications Documents

- Specifications

Specifications Summary

General

Product Name	EVS-1464
Product Family	Vision Systems
Form Factor	Embedded Vision

Operating System/Target	Windows
Included Vision Software	Vision Acquisition Software
Industrial protocol support	Modbus , Modbus/TCP , RS-232 , TCP/IP , Ethernet/IP
Vision System	
Processor	Intel Core Duo 1.66 GHz
System Memory RAM	2 GB
Nonvolatile Storage Memory	80 GB
Number of Ethernet Ports	2
Ethernet Speed	1000baset , 100baset , 10baset
Camera Interface	DirectShow (USB) , GigE Vision , IEEE 1394
Number of IEEE 1394 a/b Ports	2
IEEE 1394 Standard	IEEE 1394a , IEEE 1394b
Video Out	DVI
Serial Port	Yes
Storage Type	FireWire external drives (not included) , Hard-Disk Drive , Removable CompactFlash (not included) , USB mass storage devices (not included)
Camera Connectivity	
Number of GigE Vision Ports	2
Number of USB Ports	4
Physical Specifications	
Length	110 mm
Width	200 mm
Height	220 mm