



NeoSight

Introduction

NeoSight is a high performance embedded vision system running Microsoft Windows CE. It offers user-friendly Windows style graphical user interface via SVGA. Various communication ports are provided that include RS-232C, parallel I/O, USB, and Ethernet. Through TCP/IP network communication realized by the Ethernet port, NeoSight transfers acquired images, inspection results, and operation commands. Programming in Microsoft Embedded Visual C++, it is an ideal stand-alone platform for vision programmers who are familiar with Microsoft Visual C++ in desktop applications. Open software development environment of NeoSight will shorten the development cycle of even the most complicated vision applications.

Features

- CPU : 32bit RISC / 206MHz / 235 Dhrystone - 2.1 MIPS
- Microsoft Windows CE 3.0 OS
- Multilingual Support
- Supports both interlaced and non - interlaced(progressive) camera interfaces
- 640x480, 256-level gray scale image
- Supports TCP/IP and UDP network protocol
- DIN-RAIL style attachment possible

Application

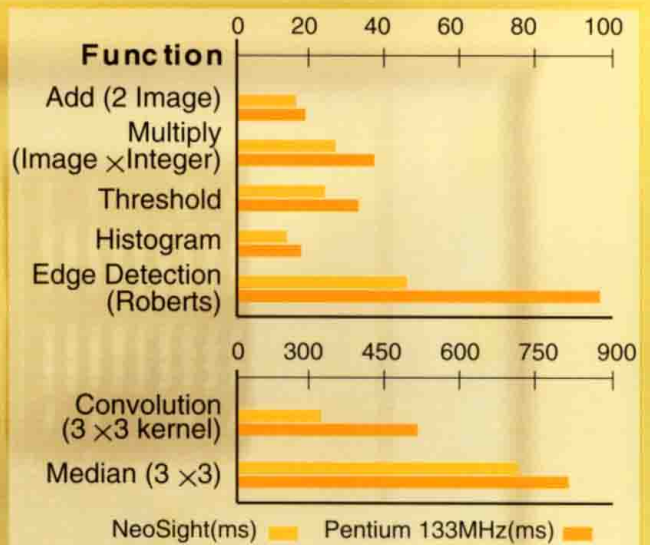
- Electronic Parts Inspection
- Product Assembly Verification
- Fiducial Mark Alignment
- Surveillance Monitoring
- Biological Identification
- Programmable General Inspection Utility

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Specifications

OS		Microsoft Windows CE 3.0
Memory	RAM	64MB
	Flash	32MB
Image	Acquisition	Non-interlaced/Interlaced
	Connection	Maximum 6 cameras
	Resolution	640x480
	Pixel	256 gray-level
Communication	Network	Ethernet
	Serial	RS-232C 2port
	PS/2	1port
	USB	HOST 1port
	PIO	16 in, 16 out
Display		SVGA
User Interface		Mouse
Dimensions	Controller	155x100x45mm
	PIO Termination Panel	135x50x42mm
Power		24VDC \pm 10% 1A

Benchmark Tables



System Configuration

