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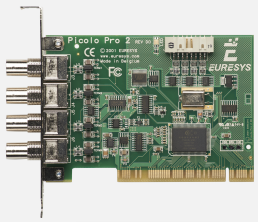
Empowering Computer Vision

Nicht für neues Design verwenden

Picolo Pro 2

PCI-Videoaufnahmekarte mit BNC-Steckverbindern für PAL/NTSC-Kameras



Im Überblick

- 4 BNC-Steckverbinder an der Halterung
- PCI-Bus, 32 Bit, 33 MHz
- 1 Video-Decoder, 25/30 Bilder pro Sekunde (50/60 Halbbilder pro Sekunde)
- Schneller Wechsel zwischen bis zu 4 Kameras
- PCI- und PCIe-Versionen verfügbar

Vorteile

Robuste, zuverlässige Videoaufnahmekarte

Nutzen Sie die Vorteile der günstigsten, auf dem Markt verfügbaren industriellen Kameras

Treiber für Windows und Linux verfügbar

Anwendungen

Bildverarbeitungssysteme für die allgemeinen Fertigungsindustrien

- Günstige Bilderfassung von industriellen Analogkameras für Inspektionssysteme

Biowissenschaften und Medizin

- Standard- und High-Definition-Bilderfassung für Endoskopieanwendungen
- Standard- und High-Definition-Bilderfassung für Dentalanwendungen
- Standard- und High-Definition-Bilderfassung für videogestützte Chirurgieanwendungen

Mikroskopie

- High-Definition-Bilderfassung für Offline-Prüfstationen
- High-Definition-Bilderfassung für Labor- und Messmikroskope

Spezifikationen

Mechanical

Format	Standard profile, half-length, 32-bit Conventional PCI card
Dimensions	L 119.91 mm x H 84.83 mm

Host bus

Standard	PCI 32-bit, 33 MHz
DMA	32-bit
Power consumption	Max. 1.7 W (240 mA @ +5V, 10 mA @ +12V, 30 mA @ -12V)

Camera / video inputs

Interface standard(s)	NTSC-M, PAL-B/G, RS-170, CCIR
Connectors	• VIDEO 1 to VIDEO 4: BNC female connectors on the bracket for composite video inputs
Termination resistor	Selectable using jumpers on the PCB
Native resolution	Square pixels, broadcast and custom resolutions
Frame rate	Up to 25/30 images per second, 50/60 fields per second
Number of cameras	4
Number of cameras (at full frame rate)	1

Video delivery

Raw video format(s)	Planar, packed, YUV and RGB color formats
Deliverable video resolution (SD)	Frame, field, CIF, QCIF and custom image formats

General Purpose Inputs and Outputs

Number of lines	13 I/O lines (IO)
Connectors	DIGITAL I/O: 16-pin two-row 0.1" shrouded header on the PCB
Usage	General purpose IO
Electrical specifications	IO: TTL-compatible I/O lines

Software

Host PC Operating System	• Microsoft Windows 10, 8.1, 7 for x86 (32-bit) and x86-64 (64-bit) processor architectures • Linux for x86 (32-bit) and x86-64 (64-bit) processor architectures Refer to release notes for details
APIs	• MultiCam 32- and 64-bit binary libraries (Windows and Linux), for ISO-compliant C/C++ compilers • DirectShow 32- and 64-bit filters (Windows only), for Microsoft Visual C++ compilers

Environmental conditions

Operating ambient air temperature	0 °C to +50 °C / +32 °F to +122 °F
Operating ambient air humidity	10% to 90% RH non-condensing
Storage ambient air temperature	-20 °C to +70 °C/ -4 °F to +158 °F
Storage ambient air humidity	10% to 90% RH non-condensing

Certifications

Electromagnetic - EMC standards	• European Council EMC Directive 2004/108/EC • United States FCC rule 47 CFR 15
EMC - Emission	• EN 55022:2010 Class B • FCC 47 Part 15 Class B
EMC - Immunity	• EN 55024:2010 Class B • EN 61000-4-2 • EN 61000-4-3 • EN 61000-4-6

KC Certification	Korean Radio Waves Act, Article 58-2, Clause 3
Flammability	PCB compliant with UL 94 V-0
RoHS	European Union Directive 2015/863 (ROHS3)
REACH	European Union Regulation 1907/2006
WEEE	Must be disposed of separately from normal household waste and must be recycled according to local regulations

Ordering Information

Product code - Description	• 1157 - Picolo Pro 2

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