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TECHNOLOGY GROUP

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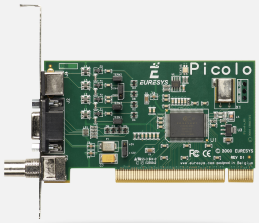
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Find the *Euresys Picolo-1155* at our website: ***Click HERE***

EURESYS™
Excellence in vision

Picolo

Video capture cards for standard PAL/NTSC cameras and high-definition 1080P cameras



At a Glance

- PCI/PCIe video capture cards compatible with standard cameras
- Support of composite and S-Video signals (selected models)

Benefits

Robust, reliable, dependable video capture card

Take advantage of the lowest-cost industrial cameras available on the market

Supports S-Video signals for the highest quality color images

Windows drivers available

Applications

Machine Vision for the General Manufacturing Industries

- Low cost image acquisition from industrial analog cameras for inspection machines

Life Sciences & Medical

- Standard and high-definition image acquisition for endoscopy applications
- Standard and high-definition image acquisition for dental applications

Microscopy

- High-definition image acquisition for offline inspection stations
- High-definition image acquisition for laboratory and measuring microscopes

Specifications

Mechanical

Form Factor	PCI card
Format	Standard profile, half-length, 32-bit Conventional PCI card
Dimensions	L 120.90 mm x H 69.83 mm

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Host bus

Standard	PCI 32-bit, 33 MHz, 5 V signaling
DMA	32-bit
Power consumption	Max. 1 W (200 mA @ +5V), excluding I/O power output

Camera / video inputs

Interface standard(s)	NTSC-M, PAL-B/G, RS-170, CCIR
Connectors	• VIDEO 1: BNC female connector on the bracket for composite video input • S-VIDEO: 4-pin mini-DIN female connector on the bracket for components video input • DB9: 9-pin sub-D female connector on the bracket • Internal: 10-pin shrouded male header on the PCB
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	3
Number of cameras (at full frame rate)	1
Line-scan cameras supported	No

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	4 I/O lines (IO)
Connectors	• DB9: 9-pin female sub-D connector on the bracket • INTERNAL: 10-pin dual-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 to +50 °C / +32 to +122 °F
Operating ambient air humidity	10 to 90% RH non-condensing
Storage ambient air temperature	-20 to +70 °C / -4 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 2011/65/EU (ROHS2)
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	• 1155 - Picolo

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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