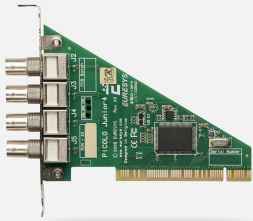


Piccolo Junior 4

PCI video capture card with four BNC connectors for standard PAL/NTSC cameras



At a Glance

- 4x BNC connectors on the bracket
- 32-bit 33 MHz PCI bus
- One video decoder, 25/30 images per second (50/60 fields per second)
- Switching between up to 4 cameras

Benefits

Robust, reliable, dependable video capture card

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 mm x H 90 mm L 4.72 in x H 3.55 in

Host bus

Standard	PCI 32-bit, 33 MHz, 5 V signaling
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DMA	32-bit
Power consumption	Max. 1.4 W (280 mA @ +5V)

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	Yes, not removable
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
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

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 61000-4-3
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	1401 - Picolo Junior 4
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