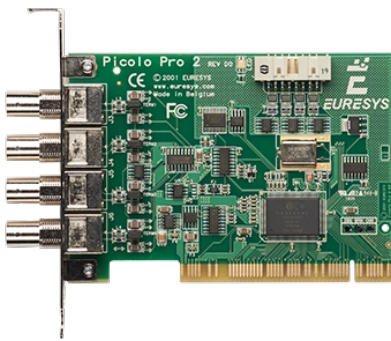


8/21/2024

Datasheet

Picolo Pro 2

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



- 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)
- Fast switching between up to 4 cameras
- PCI and PCIe versions available

Specifications

Mechanical

Form factor

PCI card

Format

Standard profile, half-length, 32-bit Conventional PCI card

Dimensions

L 119.91 mm x H 84.83 mm

Weight

Net weight: 121 g [4.3 oz]

Gross weight: 222 g [7.8 oz]

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

Camera interface standard

NTSC, PAL, RS-170, CCIR

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

Maximum number of cameras

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

Driver name

MultiCam

Last release

MultiCam 6.19

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

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 status

Discontinued

Product code - Description

PC1157 Picolo Pro 2

Related products

PC1687 Picolo Pro 2 PCIe

Offices

- Europe, Middle East & Africa

Euresys SA

Contact support : support.europe@euresys.com

Sensor to Image GmbH

Contact support : support.europe@euresys.com

- China

Euresys Shanghai Liaison Office

Contact support : support.china@euresys.com

Euresys Shenzhen Liaison Office

Contact support : support.china@euresys.com

- Japan

Euresys Japan K.K.

Contact support : support.japan@euresys.com

- South Korea

Euresys South Korea Liaison Office

Contact support : support.korea@euresys.com

- Asia (other countries)

Euresys Pte. Ltd.

Contact support : support.asia@euresys.com

- North, Central & South America

Euresys Inc.

Contact support : support.usa@euresys.com

TKH Vision Experience Center

Contact support : support.usa@euresys.com