Notice

This guide is designed for experienced users to setup the system in the shortest time.

Safety Precautions

Warning! *Always completely disconnect the power cord from your board whenever you are working on it. Do not make connections while the power is on, because a sudden rush of power can damage sensitive electronic components.*

Caution! *Always ground yourself to remove any static charge before touching the board. Modern electronic devices are very sensitive to static electric charges. Use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielded bag when they are not in the chassis.*

A Message to the Customer

First of all, thank you for purchasing PER-V36C Mini Card. This Quick Installation Guide will help you on the process of the installation. Please read it thoroughly before you start to install it. The product comes with a sheet of warranty for two years assurances except for improper use. Therefore, we strongly suggest you to read and refer to the Quick Installation Guide before any installation. You may visit AAEON website for the latest version of the instruction. Please refer to http://www.aaeon.com/

Product Warranty

AAEON Customer Services

All products in AAEON are designed as the strictest specifications to ensure that the products will own the reliable performance in the typical industrial environments. Whether your purchase from AAEON is made to the purpose of the laboratory or the factory facility, you can be assured that every purchase in AAEON will provide the reliability and stability of operation.

Your satisfaction is our primary concern. Here is a guide for AAEON's customer services. Ensure you get the full benefits of our services, please follow the instructions below step by step.

Technical Support

We require you to get the maximum performance from your products. If you run into technical difficulties, we'll be here always for you. For the most frequently asked questions, you can easily find solutions in your product documentation. The guide is for your quick and accurate installation so please refer to it first. We strongly suggest you to read it before asking for a customer service over the phone. If you still cannot find the answer, gather all questions you can think of and have the product at hand before giving a call to your dealer. All dealers of AAEON are well-trained and ready to provide you as many supports as we can. Based on the customer service we've encountered until now, most of problems are minor and able to be

easily solved over the phone. In addition, free-charged technical support is available from AAEON engineers in the office time. We are always pleased to give advice regarding to any installation and operation for AAEON products.

Ordering Information

- TF-PER-V36C-A10

  Mini-PCIe, Two Channel Video Capture Module, Rev. A1.0

Packing List

- 1700090306 Audio & Video In Cable

- Product CD (including Quick Installation Guide)
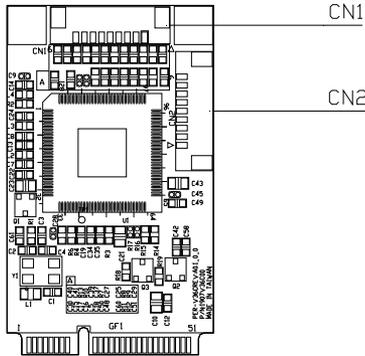
- PER-V36C

Content

1.1 Features

- PCI-Express Mini Card Interface

- Dual-Channel Video Capture with Conexant CX23885

- NTSC/PAL Video Format Support

1.2 Specifications
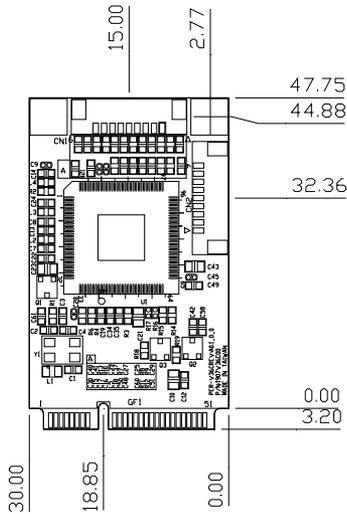
- Form Factor: Mini Card Type

                          (30mm x 50.95mm)

- Video Decoder   Conexant CX23885

- Video Input   CVBS & S-Video

- Video Format Support   NTSC & PAL

- Sample Rate   720 pixels/ line

- Software Support   Windows®/ XP/ 7 Driver

- Power Requirement: +3.3V

- Operating Temperature: 32˚F~140˚F (0˚C~60˚C)

1.3 Location of Jumpers and Connectors

1.4 Mechanical Drawing

1.5 List of Connectors

Label	Function
CN1	Channel 1 Audio/Video Input Cable Connector
CN2	Channel 2 Audio/Video Input Cable Connector

1.6 Channel 1 Audio/ Video Input Cable Connector (CN1)

Pin	Signal	Pin	Signal
1	S-Video – Chroma (C) Input	2	S-Video – Luma (Y) Input
3	GND	4	GND
5	CVBS – Composite Input	6	GND
7	Audio Input - R	8	Audio Input - L
9	GND		

1.7 Channel 2 Audio/ Video Input Cable Connector (CN2)

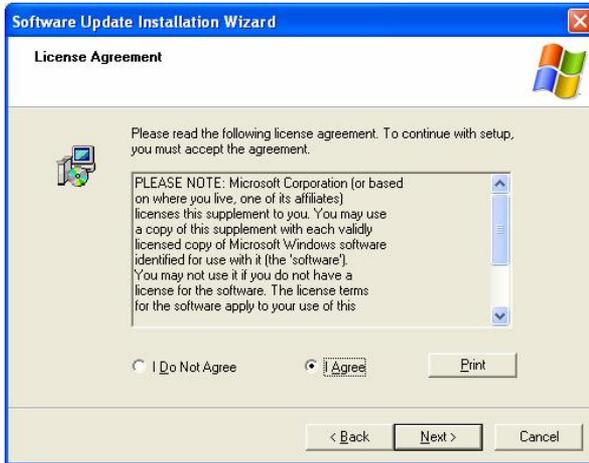| Pin	Signal	Pin	Signal
1	S-Video – Chroma (C) Input	2	S-Video – Luma (Y) Input
3	GND	4	GND
5	CVBS – Composite Input	6	GND
7	Audio Input - R	8	Audio Input - L
9	GND		

1.8 Driver Installation:

Insert the PER-V36C CD-ROM into the CD-ROM drive and install the driver in terms of the following procedures.

1. You will see the following screen, when you connect PER-V36C

2. Select "**Install WinXP_2K3-KB901105-x64-ENU.exe**

    " and click on "**Next**"

3. Select "I agree and next"

4. Click on "**Finish**" the system will restart, and you've done installing the PER-V36C driver