

User's Manual

For

PV- BT878P

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99/05/31

Rev. D

FCC Requirement



This device has been certified to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of the FCC Rules. See instructions if interference to radio reception is suspected.

WARNING: This equipment generates and uses radio frequency energy and, if not installed and properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio or television reception.

It has been tested and found to comply with the limits for a Class B compliant device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the computer away from the receiver
- Move the computer away from the receiver
- Plug the computer into a different outlet so that the computer and the receiver are on different branch circuits
- Ensure that the card's mounting screws, attachment connector screws, and ground wires are tightly secured
- Ensure that slot covers are installed in all unused slots

If necessary, consult your dealer, service representative, or an experienced radio/television technician for additional suggestions.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.

The user may find the following booklet prepared by the Federal Communications Commission helpful:

How to Identify and Resolve Radio-TV Interference Problems.

This booklet is available from the Government Printing Office, Washington D.C., 20402, Stock No. 004-000-00345-4

NOTE: You must use shielded interface cables with a ferrite bead in order to maintain compliance with the limits for a Class B device.

CAUTION : CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT
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Notice

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Our company warrants this product against defects in materials and workmanship for a period of one (1) year from the date of purchase. During the warranty period, a product determined by us to be defective in form or function will be repaired or at our option, to be replaced at no charge. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or as a result of service or modification other than by us.

This warranty is in lieu of any other warranty expressed or implied. In no event shall we be held liable for incidental or consequential damages, such as lost revenue or lost business opportunities arising from the purchase of a this product.

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1. Introduction

What can this card do for you?

It can capture motion video and save as .AVI files from Type 1, 2 S-Video input.

It can capture motion video and save as .AVI files from Type 1, 2, 3, 4 composite video input.

It can capture motion video from QuartzSight Camera. Type 2, 4

It can capture motion video from Philips CCD Camera. Type 3, 4

Video Conference. (Iphone, Netmeeting) S/W Option

Internet Phone. (Iphone, Netmeeting) S/W Option

Video Mail. (VideoLive Mail) S/W Option

Please check which the type of card from package.

Feature

Supports NTSC/PAL/SECAM video decoding.

Zero wait state PCI burst writes.

Multiple YCrCb and RGB pixel formats supported on output.

Multiple composite and S-Video inputs.

Supports Philips desktop camera or Rockwell QuartzSight camera.

Supports planner YUV data format.

VBI data capture for closed caption data decoding.

Only support Windows 95 OSR2 / Windows 98

Fully PCI Rev 2.1 compliant.

System Requirement

Intel Pentium 90MHz or higher, and compatible computer.

Mainboard with Intel 430FX chipset or higher.

PCI local bus PnP 2.1 compliant.

SVGA support higher than 640x480/hi-color.

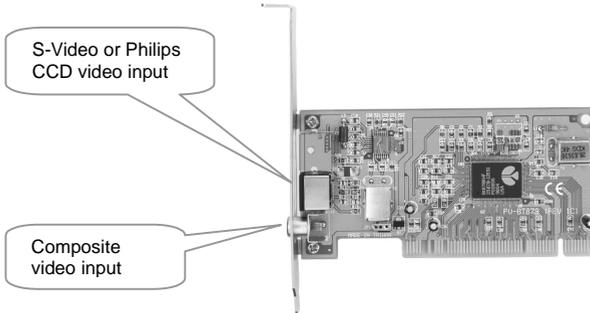
Windows 95 OSR2 / Windows 98

DirectX 5.0 or higher.

2. Hardware Configuration

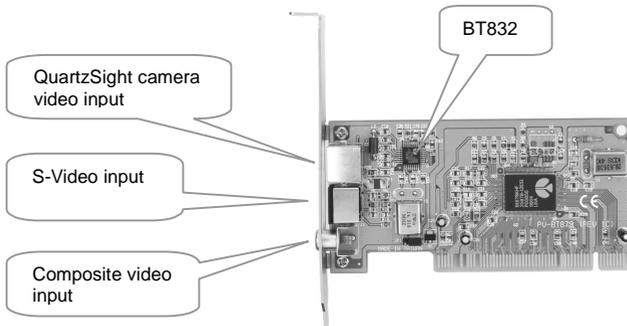
Type 1 : Standard Type

Standard type is featured with two ports, one is for composite video and the other is for S-Video.



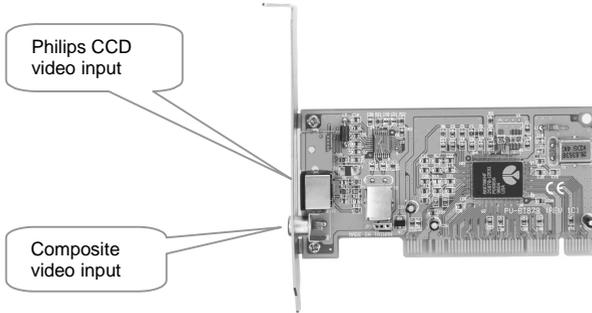
Type 2 : Extension Type

The extension type is the same as the standard type with additional Rockwell QuartzSight camera interface circuit/port.



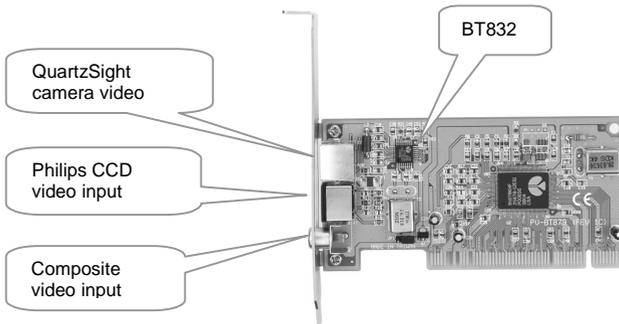
Type 3 : Familiar Type

Familiar type is featured with two ports, one is for composite video and the other si for Philips desktop camera.



Type 4 : Twin-Camera Type

The Twin-Camera type is support two type of cameras. It is designed as three ports, composite video, Philips desktop camera, and Rockwell QuartzSight camera.



3. Hardware Installation

1. Turn off your computer first. Open the case and insert this PV-BT878P into your computer's PCI slot. Make sure the adapter is well seated in the slot then fasten it with screws. Put the outer case back afterwards.
2. Connect the desired image output device to the input port of adapter. For instance, you may connect VCR, camera, or the Philips desktop camera/QuartzSight camera provided by Prolink to it.

4. Software Installation

Windows 95/98 Driver Installation

1. Turn on your computer and let it boot up with Windows 95/98.
2. Your Windows 95/98 will detect the newly added hardware and will show the following message on your monitor.
3. Click “**Cancel**” or press “**ESC**” to skip the wizard.
4. Put the AutoRun driver into CD-ROM (waiting for a few seconds). Click “**PV-BT878P**” on the Installation window.

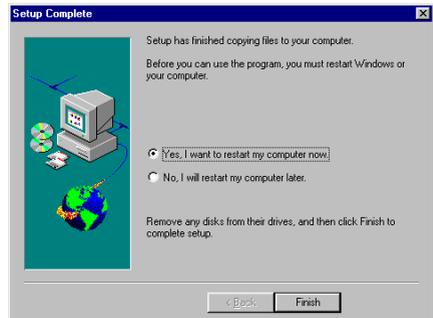


5. Click **“Install Driver”**.



6. Click **“NEXT”** on every message box.

7. Chose **“Restart computer right now”** and click **“Finish”** to restart Windows.



8. After restart your Windows, Windows will detect the newly added hardware and Wizard will searched a driver for this new hardware.
Click **“NEXT”**.



9. Click **“NEXT”** on every message box.

Don't select any locate and Click **“NEXT”** on every message box.



10. Click **“Finish”**.



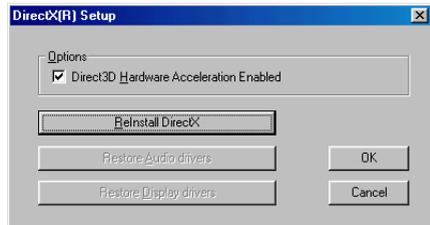
DirectX Installation

1. There is no need to reinstall DirectX, if it is already in your system.

If you want to install DirectX, click-on **“DirectX”**.



2. Click **“ReInstall DirectX”**.



3. After DirectX Installation finished, Windows will restart. If you have other programs under executing, please save files and exit those programs.

5. Notice for QuartzSight Camera

Introduction

The QuartzSight Camera incorporates a highly-integrated colorized CMOS image sensor module capable of delivering a digital video stream at frame rates, of up to 30 frames per second. In addition to a colorized 356 x 292 pixel image sensor array, it includes on-chip circuitry to drive and sense the array. The output stage of the sensor contains a two stage flash 8-bit A/D converter. The sensor module sends digital video data and receives control data via a 9-wire cable terminated with a 9-pin miniature DIN connector.

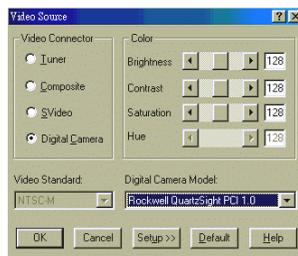
Feature

- Outputs a 356x292 (CIF) colorized pixel block
- Automatic black level calibration
- Programmable exposure and gain
- 9-wire digital interface
- Maximum capture frame rate : 30 frame/sec

Camera Installation

1. Plug end of the QuartzSight Camera cable into the 9-pole mini-Din connector from PV-BT878P.

Change video source to the “Digital Camera”, and select camera model with “Rockwell QuartzSight PCI 1.0”.



6. PV-BT878P FAQ

Q: My operation system is the Windows 3.x. Can I use this PV-BT878P?

A: No, Sorry! The PV-BT878P supports Windows 95 and Windows 98. You must first update your operating system.

Q: What's the difference between PCI VGA card and AGP VGA card for the PV-BT878P?

A: The PV-BT878P requested of the VGA card specifications is following.

• Linear frame buffer

• Hardware cursor

• Graphics mode support 640x480/hi-color

Q: What kinds of VGA cards have a known compatibility problem with the PV-BT878P?

A: Trident 9685, Trident 9750 and Trident 9850 may cause compatibility problems, please check with your dealer.

Q: Why the video picture motion is slowly when I capture or see at preview mode?

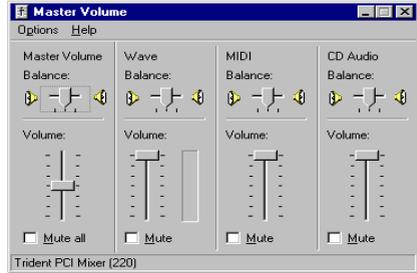
A: That is normal , because the signal is via CPU and memory to display.

Q: How to enable audio function

A: 1. Double-click “speaker”.



2. Click “properties” of “options”.



3. Enable “line in ” of “playback”.

