

# IVC-T604

PCI video/ audio capture card with 4 channel video/ audio input, total 120fps@D1 for 4 channels (NTSC)



**New**



Digit LED to show Card ID

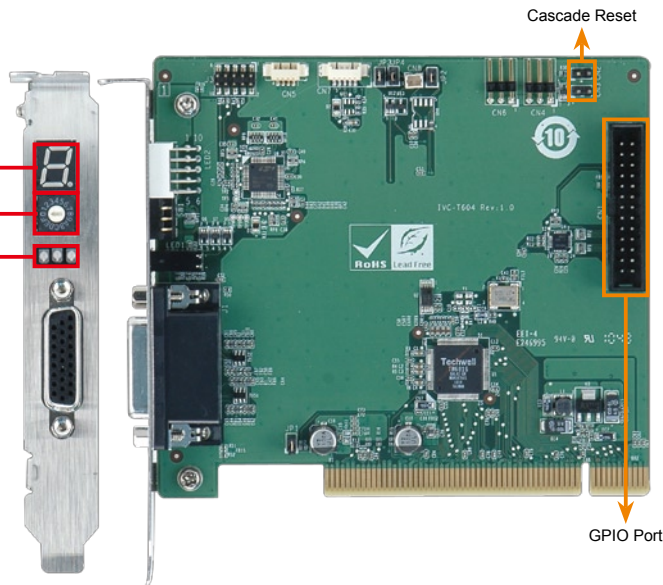


The ID is programmed by a rotate switch



Status indicator LED

Red → System alarm  
Green → AP running  
Yellow → Watchdog alarm



## Features

- Single card 4 channels Video/Audio input solution
- PCI interface supported
- Compatible with Windows XP, Windows 7 and Linux OS
- Four video channels with 120fps @ D1 for 4 channels (NTSC)
- Support multiple card up to 64 channels video/ audio input
- External GPIO daughter board with 4 input and 4 output (optional)
- SDK available for customer to create customized applications



## Specifications

### ◆ Interface

Video Input	4 channels composite video NTSC/PAL/SECAM auto sensing
Video Input Type	BNC (BNC+RCA to DB-26 cable included)
Audio Input	4 channels
Audio Input Type	RCA (BNC+RCA to DB-26 cable included)
Bus Interface	PCI Rev. 2.2~3.0 compliant
Alarm I/O	Yes
Card ID	Rotate switch selectable with LED for ID indication
LED Indicator	Red LED for system Green LED for AP running Yellow LED for watchdog

### ◆ Video Processing

Video Compression	Software compression	
Video Engine	1 x Techwell 6816	
Resolution	NTSC: 720 x 480 720 x 240 704 x 480 704 x 240 640 x 480 352 x 240 320 x 240 176 x 120	PAL/SECAM: 720 x 576 720 x 288 704 x 576 704 x 288 640 x 480 352 x 288 320 x 240 176 x 144
	Frame Rate NTSC: Total 120fps @ D1 for 4 channel PAL/SECAM: Total 100fps @ D1 for 4 channel	

### ◆ Audio Processing

Audio Compression	Software compression
Sampling Rate	8kHz, 16kHz, 32kHz, 44.1kHz, 48kHz (hardware spec.)
Quantization	8 bit, 16 bit (hardware spec.)

### ◆ Functionality

Video/ Audio Synchronization	Yes
Video Loss Detection	Yes
On-screen Display	Yes
Motion Detection	N/A
Watermarking	N/A

### ◆ System Requirement

System	x86 PC compatible computer
Memory	512MB or above

### ◆ Others

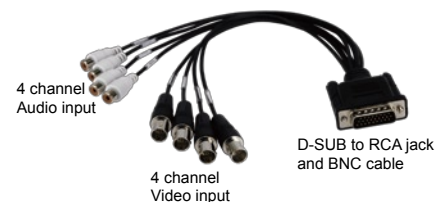
Dimensions	120 mm x 106 mm
Operation Temperature	-20°C ~ 65°C, non-condensing
Power Consumption	1W (3.3V@0.3A)

## Packing List

1 x IVC-T604 capture card	
1 x Video/ Audio input cable kit	1 x Utility CD
1 x Reset cable	1 x QIG



VIOCARD-GPIO (Optional)



4 channel Audio input

4 channel Video input

D-SUB to RCA jack and BNC cable

## Ordering Information

Part No.	Description
IVC-T604-R10	PCI Video/ Audio Capture Card with 4 channel Video/ Audio input, Total 120fps@D1 for 4 channels (NTSC)
VIOCARD-GPIO-RS-R10	8 GPIO channels (4 digital input and 4 relay output)
32200-000012-RS	GPIO card to IVC capture card connection cable

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Industrial Computing Solutions

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Video Capture Solutions

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Embedded Computing Solutions

4

Industrial Data Collector and Controller

5

Panel Solutions Introduction

6

O'Ring Network Communication

7

Power Supply/ Peripherals