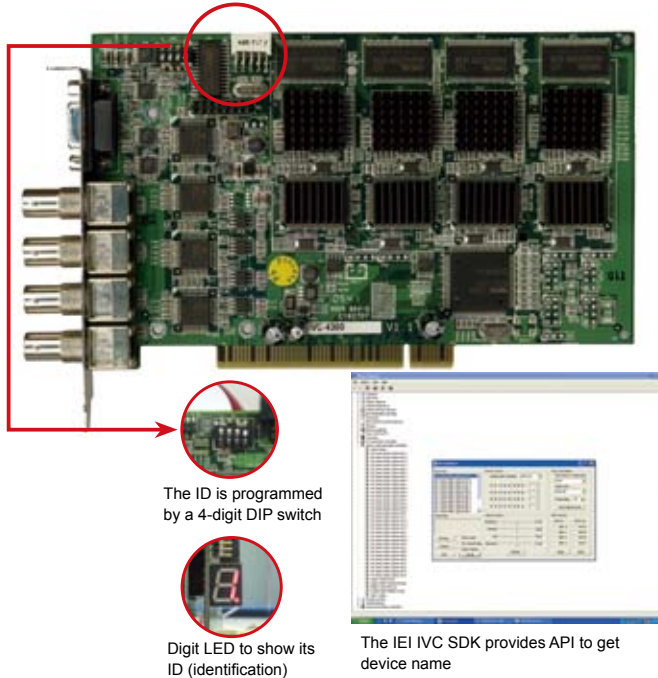


# IVC-4300-RS

PCI Video/Audio Capture Card with Four Video Input Channels, Total 120 fps@720x480(NTSC), Four Audio Input Channels, and Hardware MPEG 4 Encoder

## MPEG 4 Hardware Encoder



The ID is programmed by a 4-digit DIP switch



Digit LED to show its ID (identification)

The IEI IVC SDK provides API to get device name

## Features

- External GPIO relay board with eight channels (4 in / 4 out), included I/O kit & cable
- MPEG 4/MPEG-2/MPEG-1 video encoding
- Four video channels with 120 fps @ 720 x 480 (NTSC) per channel
- 4-channel stereo audio input
- Supports on-screen-display (OSD)
- Programmable GOP
- Applications: Video conference, DVB-H/T, VOD



Audio Cable



VIOCARD-GPIO (optional)

## Specifications

### ◆ Interface

Video input	4 channels composite video NTSC, PAL and SECAM auto sensing
Video input type	BNC
Audio input	4 channels
Audio input type	DB9 to 3.5 mm phone jack audio cable
PCI interface	PCI Rev 2.1 compliance
Card ID	Dip-switch selectable

### ◆ Software support

Device Driver	Windows® 2000/ XP
SDK	Provide SDK and demo program Complete source code of demo program in C++

### ◆ Video Processing

Video engine	MPEG 4 advanced simple profile @ level 3 (ISO/IEC 14496-2)	
	MPEG 2 main profile @ main level (ISO/IEC 13818-2)	
	MPEG 1 (ISO/IEC 11172-2)	
Resolution	NTSC: 720 x 480 720 x 240 640 x 480 320 x 240 176 x 144	PAL / SECAM: 720 x 576 720 x 288 352 x 288 488 x 586

### ◆ Audio Processing

Audio compression	ADPCM / PCM
Sampling rate	44.1 KHz and 48 KHz
Quantization	16-bit

### ◆ System Requirement

System	Intel® Pentium® 4 2.0 GHz or above
Memory	256 MB or above
Graphic	DirectX compatible VGA card supporting YUV overlay mode

### ◆ Functionality

Video /audio synchronization	Yes
On-screen display	Yes
GOP	Programmable I, B, P frame
Encoding bitrate control	CBR

### ◆ Others

Dimensions	180.73 mm x 113 mm
Operation temperature	0°C~60°C (32°F~140°F), non-condensing
Power consumption	7.5W, 1.5A@5V (without relay)

## Packing List

- 1 x IVC-4300-RS-R20 video capture card
- 1 x DB-9 to 3.5 mm phone jet 4 channel audio cable
- 1 x utility CD
- 1 x QIG (quick installation guide)

## Ordering Information

Part No.	Description
IVC-4300-RS-R20	PCI video/audio capture card with four video input channels, total 120 fps@720x480(NTSC), four audio input channels, and hardware MPEG 4 encoder
VIOCARD-GPIO-RS-R10	8 GPIO channels (4 digital inputs and 4 relay outputs)

1  
Application  
Server  
Platform

2  
Single  
Board  
Computer

3  
IBX Series  
POS PC

4  
AFOLUX  
POS  
Panel PC

5  
Video  
Capture  
Card

6  
KAMIO  
RISC

7  
IOVU  
Open HMI

8  
VITO  
Universal  
Controller

9  
DINO  
BLADE

10  
LCD  
Product  
Series

11  
Embedded  
System

12  
Industrial  
Computer  
Chassis

13  
Power  
Supply

14  
Peripherals