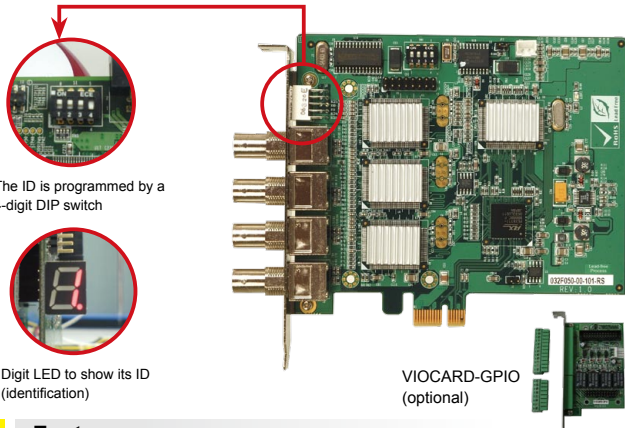


# IVCE-8784



**PCI Express Video Capture Card with Four Video Input Channels, Total 120 fps@720x480(NTSC)**



The ID is programmed by a 4-digit DIP switch



Digit LED to show its ID (identification)

VIOCARD-GPIO (optional)

## Features

- External GPIO relay board with eight channels (4 in / 4 out), included I/O kit & cable
- PCI Express x1 interface with PCIe-to-PCI bridge onboard
- Four video channels with 120 fps @ D1 per channel
- NTSC/PAL/SECAM auto sensing
- Support Multiple Card ( maximum 32 ports video input )
- SDK with Windows® drivers
- Applications: Video surveillance, security, public transportations, police and government

## Specifications

### Interface

Video input	4 channels composite video NTSC, PAL and SECAM auto sensing
Connector	BNC
PCIe interface	PCIe x1
Card ID	DIP switch selectable with LED for ID indication
Alarm I/O	GPIO daughter board with 4 inputs and 4 outputs (optional)

### Software support

Device Driver	Windows® 98, SE, ME, 2000, XP
SDK	Provide SDK and demo program with sample source code in C++

### Video Processing

Video engine	4 x Conexant Fusion BT878A					
Resolution	NTSC:	352 x 288	176 x 144	PAL / SECAM:	640 x 288	240 x 176
	720 x 480	352 x 240	160 x 120	720 x 576	640 x 240	176 x 144
	720 x 288	320 x 240	128 x 96	720 x 480	640 x 240	176 x 144
	720 x 240	320 x 240	128 x 96	720 x 288	352 x 288	160 x 120
	640 x 480	240 x 180	88 x 72	720 x 240	352 x 240	128 x 96
	640 x 288	240 x 176	80 x 60	704 x 576	320 x 240	88 x 72
640 x 240			640 x 480	240 x 180	80 x 60	
Frame rate	NTSC: up to 120 fps per channel					
	PAL /SECAM: up to 100 fps per channel					

### Multiple Card Support

Card	Video Port	Audio Port	Support max. Channel/Resolution	Total Frame (NTSC/PAL)
1	4	N/A	4 channels, D1(720 x 480)	120/100 fps
4	16	N/A	16 channels, D1(720 x 480)	480/400 fps
8	32	N/A	32 channels, QVGA(320 x 240)	960/800 fps

### System Requirement

System	x86 compatible computer
Graphic	DirectX compatible VGA card supporting YUV overlay mode

### Functionality

Video loss detection	Yes
Multi-screen support	Yes

### Others

Dimensions	119.91 mm x 106.68 mm
Operation temperature	0°C~60°C (32°F~140°F ), non-condensing
Power consumption	7.8W, 0.65A@12V (without relay)

## Packing List

1 x IVCE-8784	1 x utility CD
1 x QIG (quick installation guide)	

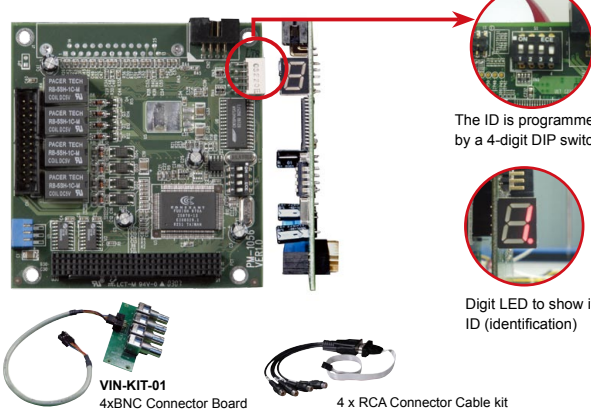
## Ordering Information

Part No.	Description
IVCE-8784-R10	PCI Express video capture card with four video input channels, total 120 fps@720x480(NTSC)
Optios	
VIOCARD-GPIO-RS-R10	8 GPIO channels (4 digital inputs and 4 relay outputs)

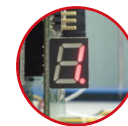
# PM-1056-RS



**PCI-104 Video Capture Card with Four Video Input Channels, Total 30 fps@720x480(NTSC)**



The ID is programmed by a 4-digit DIP switch



Digit LED to show its ID (identification)



VIN-KIT-01  
4xBNC Connector Board



4 x RCA Connector Cable kit

- ◆ Applications: Video surveillance, security, public transportations, police and government

## Specifications

### Interface

Video input	4 channels composite video NTSC, PAL and SECAM auto sensing
Connector	BNC
Audio Input	4 channel analog audio
Connector	DB9 to 3.5mm phone jack audio cable
PCIe interface	PCI 2.1 compliance
Card ID	Selectable with LED for ID indication
Alarm I/O	External GPIO daughter board with 4 inputs and 4 outputs (optional)

### Software support

Device Driver	Windows 2000, XP, Linux Kernel 2.4
SDK	Provide SDK and demo program with sample source code in C++

### Video Processing

Video engine	1 x Conexant Fusion™ BT878A					
Resolution	NTSC:	352 x 288	176 x 144	PAL / SECAM:	640 x 288	240 x 176
	720 x 480	352 x 240	160 x 120	720 x 576	640 x 240	176 x 144
	720 x 288	320 x 240	128 x 96	720 x 480	640 x 240	176 x 144
	720 x 240	320 x 240	128 x 96	720 x 288	352 x 288	160 x 120
	640 x 480	240 x 180	88 x 72	720 x 240	352 x 240	128 x 96
	640 x 288	240 x 176	80 x 60	704 x 576	320 x 240	88 x 72
640 x 240			640 x 480	240 x 180	80 x 60	
Frame rate	NTSC: Total 30fps @D1 for 4 channels					
	PAL/SECAM: 25fps @D1 for 4 channels					

### Multiple Card Support

Card	Video Port	Audio Port	Support max. Channel /Resolution	Total Frame (NTSC/PAL)
1	4	N/A	4 channels, D1(720 x 480)	30/25 fps
4	16	N/A	16 channels, D1(720 x 480)	120/100 fps

### System Requirement

System	x86 compatible computer
Graphic	DirectX Compatible VGA card with YUV overlay mode supporting

### Functionality

Video /audio synchronization	Yes	Dimensions	95.89 mm x 90.17 mm
Video loss detection	Yes		Operation temperature
Motion detection	Hardware Build-in	Power consumption	3.5W@5V (with relay)
Watermarking	128-bit secret key, adjustable length		

## Packing List

1 x PM-1056	1 x User manual
1 x Video cable (P/N: 32000-038100-RS)	1 x Utility CD
1 x Video flat cable (P/N: 32000-038100-RS)	

## Ordering Information

Part No.	Description
PM-1056-4P-RS-R20	PCI-104 video capture card with four video input channels, total 30 fps@720x480(NTSC)
PM-1056-4PB-RS-R20	PCI-104 video capture card with four video input channels, total 30 fps@720x480(NTSC), and VIN-Kit-01
PM-1056-4PG-RS-R20	PCI-104 video capture card with four video input channels, total 30 fps@720x480(NTSC), and GPIO function
PM-1056-4PGB-RS-R20	PCI-104 Video capture card with four video input channels, total 30 fps@720x480(NTSC), GPIO function, and VIN-Kit-01

1

Industrial Computing Solutions

2

Embedded Computing Solutions

3

RISC-Based Embedded Solutions

4

Industrial Data Collector/Server Solutions

5

Video Capture Solutions

6

I/O Communication Solutions

7

Panel Solutions

8

Power Supply/Network Communication/Peripherals