

PM-1059

PCI-104 Video/Audio Capture Card with Four Video Input Channels, Total 30 fps@720x480(NTSC), Four Audio Input Channels, and Hardware MPEG 4 Codec

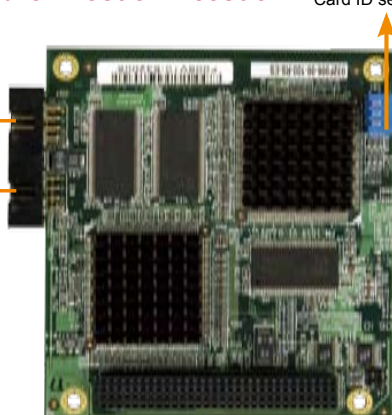


MPEG 4 Hardware Encoder /Decoder

Card ID selector

4-channel 8-pin Video Input

4-channel 8-pin Audio Input



Video input daughter board With 4 x BNC connectors



2x4p 2.54 mm cable



2x4p 2.54 mm to DB9 cable



DB9 to RCA jack audio cable

Features

- 30 fps @ 720 x 480 for 4 channels
- Multi-channel real time encoding/decoding
- Video and audio synchronizing
- Supports on-screen-display(OSD)
- Built-in camera lost detection
- Hardware motion detection
- Digital watermarking
- Applications: Video conference, DVB-H/T, VOD

Specifications

◆ Interface

Video input	4 channels composite video
Video input interface	8-pin 2.54 mm connector onboard
Audio input	4 channels
Audio input interface	8-pin 2.54 mm connector onboard
PCI-104 interface	PCI Rev. 2.1 compliant
Card ID	DIP-switch selectable

◆ Software support

Device Driver	Driver for Windows® 2000 or XP
SDK	Provide SDK and demo program with source code in C++

◆ Video Processing

Video engine	MPEG 4 advanced simple profile@level 5 (ISO/IEC 14496-2) MPEG 2 main profile@main level (ISO/IEC 13818-2) MPEG 1 (ISO/IEC 11172-2) H.263 (ITU-T recommendation H.263)	
Resolution	NTSC: 720 x 480 720 x 240 640 x 480 640 x 240 360 x 240 320 x 240	PAL / SECAM: 720 x 576 720 x 288 640 x 576 640 x 288 360 x 288 320 x 288

◆ Audio Processing

Audio compression	G.726 (ADPCM/PCM)
Sampling rate	8 K, 44.1 KHz and 48 KHz
Quantization	8-bit data depth

◆ System Requirement

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

◆ Functionality

Video /audio synchronization	Yes
On-screen display	Yes
Camera loss detection	Yes
Motion detection	Hardware built-in
Watermarking	128-bit secret key, adjustable length
Encoding bitrate control	VBR, CBR for each channel

◆ Others

Dimensions	96 mm x 91 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 PM-1059
1 x QIG
1 x utility CD
1 x DB-9 to RCA jack audio cable
1 x 2x4p 2.54 mm cable
1 x video input daughter board
1 x 2x4p 2.54 mm to DB-9 cable

Ordering Information

Part No.	Description
PM-1059-R10	PCI-104 video/audio capture card with four video input channels, total 30 fps@720x480(NTSC), four audio input channels, and hardware MPEG 4 codec

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