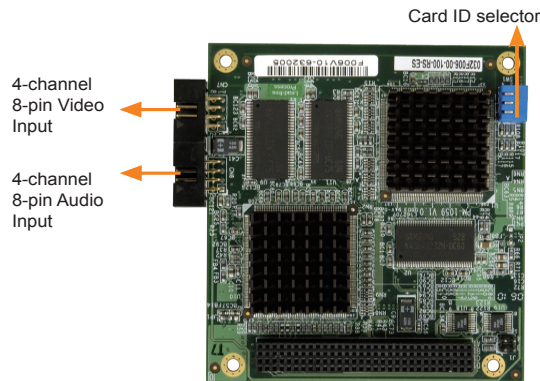


PM-1059

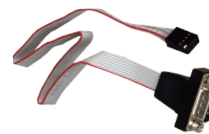
Hardware MPEG-4 Video/Audio PCI-104 Capture Module



Video Input Daughter Board With 4 x BNC Connectors



2x4p 2.54mm Cable



2x4p 2.54mm to DB9 Cable



DB9 to RCA Jack Audio Cable

Features

- ◆ Total 30fps@720x480 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

Specifications

◆ Interface

| | |
|-----------------------|---------------------------------|
| Video Input | 4-Channel Composite Video |
| Video Input Interface | 8-pin 2.54mm Connector On-board |
| Audio Input | 4-Channel Composite Video |
| Audio Input Interface | 8-pin 2.54mm Connector On-board |
| PCI-104 Interface | PCI Rev. 2.1 compliant |
| Card ID | DIP-switch Selectable |

◆ Video Processing

| | | |
|-------------------------|--|----------------------|
| Video Compression | 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 & Frame Rate | NTSC: 720x480@1~30fps | PAL: 720x576@1~25fps |
| | 720x240@1~60fps | 720x288@1~50fps |
| | 360x240@1~120fps | 360x288@1~100fps |
| | | |

◆ Audio Processing

| | |
|-------------------|-----------------------|
| Audio Compression | G.726(ADPCM/PCM) |
| Sampling Rate | 8K, 44.1KHz and 48KHz |
| Quantization | 8-bit Data Depth |

◆ Functionality

| | |
|-----------------------------|--|
| Video/Audio Synchronization | Yes |
| On-Screen Display | Yes |
| Camera Loss Detection | Yes |
| Motion Detection | Hardware Built-In |
| Watermarking | 128-bit Secrete Key, Adjustable Length |
| Encoding Bitrate Control | VBR, CBR for Each Channel |

◆ System Requirement

| | |
|----------|---|
| System | x86 PC Compatible Computer |
| Graphics | DirectX Compatible VGA Card Supporting YUV Overlay Mode |

◆ Software Support

| | |
|--------------|--|
| Device Drive | Driver for Windows 2000/XP |
| SDK | Provide SDK and Demo Program Complete Source Code of Demo Program in C++ |

◆ Operation Environment

| | |
|-----------------------|---------------------------------------|
| Dimensions | 96mm x 91mm |
| Operation Temperature | 0°C~60°C (32°F~140°F), non-condensing |
| Power Consumption | 7.5W, 1.5A@5V |

Packing List

| |
|------------------------------------|
| 1 x PM-1059 Video Capture Module |
| 1 x QIG (Quick Installation Guide) |
| 1 x Utility CD |
| 1 x DB-9 to RCA Jack Audio Cable |
| 1 x 2x4p 2.54mm Cable |
| 1 x Video Input Daughter Board |
| 1 x 2x4p 2.54mm to DB-9 Cable |

Ordering Information

| Part No. | Description |
|-------------|---|
| PM-1059-R10 | 4-Channel MPEG-4 Video & Audio PCI-104 Capture Module, RoHS |