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**IVCME-C604**

***PCIe Mini Video/ Audio Capture Card with 4-Channel Video/ Audio Input, Total 120fps@D1 for 4 Channels (NTSC)***

Video/Audio Input Connector (CN1)

GPIO Connector (CN2)

CN4

CN3

CN6

K1 RELAY

1

2

CN7

K2 RELAY

1 2

K3 RELAY

4 1

K4 RELAY

CN1

2

5

2

6

Terminal Block

Terminal Block

# *Features*

* Single card 4-channel composite video (NTSC/PAL) solution
* PCIe Mini card interface supported
* Compatible with Linux, Windows XP and Windows 7 (32-bit and 64-bit)
* Total 120fps @ D1 for 4 channels (NTSC)
* External GPIO daughter board with 4 inputs and 4 outputs (optional)
* SDK available for customer to create customized applications

# *Specifications*

Interface

|  |  |
| --- | --- |
| Video Input | 4-channel composite video NTSC/PAL auto sensing |
| Video Input Type | BNC (BNC to DB-9 cable included) |
| Audio Input | 4-channel analog |
| Audio Input Type | RCA (RCA to DB-9 cable included) |
| Bus Interface | PCIe Mini |
| Alarm IO | Yes |

Video Processing

|  |  |
| --- | --- |
| Video Compression | Software compression |
| Video Engine | 1 x Conexant CX25854 |
| Resolution | NTSC: PAL:720 x 576 720 x 576720 x 480 720 x 480720 x 288 720 x 288720 x 240 720 x 248352 x 240 |
| Frame Rate | NTSC: Total 120fps @ D1 for 4 channels PAL: Total 100fps @ D1 for 4 channels |

Audio Processing

|  |  |
| --- | --- |
| Audio Compression | Software compression |
| Sampling Rate | 8kHz, 16kHz, 32kHz, 44.1kHz and 48kHz |
| Quantization | 16-bit |

System Requirement

|  |  |
| --- | --- |
| Platform | x86 PC compatible computer |
| Memory | 512MB or above |

# *System Block*

***4***CH

***32/64***Bit

PCIe Mini

W***7***indows

PCIe BUS

PCIe Mini Connector

Conexant CX25854

GPIO 4 CH Inputs & 4 CH Outputs

4 CH Audio & 4 CH Video Inputs

***Packing List***

|  |
| --- |
| 1 x IVCME-C604 capture card |
| 1 x BNC to DB-9 cable |
| 1 x RCA to DB-9 cable |
| 1 x Video/Audio input cable kit |
| 1 x QIG |

**Video/Audio Input Connector (CN1)**

|  |  |
| --- | --- |
| **Pin No.** | **Signal** |
| 1 | GND |
| 2 | Video In CH1 |
| 3 | Video In CH2 |
| 4 | Video In CH3 |
| 5 | Video In CH4 |
| 6 | Audio In CH1 |
| 7 | Audio In CH2 |
| 8 | Audio In CH3 |
| 9 | Audio In CH4 |
| 10 | GND |

**GPIO Connector (CN2)**

|  |  |
| --- | --- |
| **Pin No.** | **Signal** |
| 1 | GND |
| 2 | DI1 |
| 3 | DI2 |
| 4 | DI3 |
| 5 | DI4 |
| 6 | DO1 |
| 7 | DO2 |
| 8 | DO3 |
| 9 | DO4 |

Software Support

|  |  |
| --- | --- |
| OS Support | Microsoft Windows 7 (32-bit & 64-bit)Linux: Ubntu 14.04 (64-bit) Kernel version: 3.13.0-32-generic |

|  |  |
| --- | --- |
| Part No. | Description |
| IVCME-C604-R10 | PCIe Mini 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 inputs and 4 relay outputs) |
| 32031-000100-100-RS | GPIO card to IVCME capture card connection cable |

DB-9 to BNC Jack

4-Channel Video Input

DB-9 to Input Jack

DB-9 to RCA Jack

4-Channel Audio Input

Others

# *Ordering Information*

IVCME-C604-2019-V10

***Video Capture Solutions***

COM1 NC1 NO1

COM2 NC2 NO2 COM3 NC3 NO3 COM4 NC4 NO4

IN1+ IN1- IN2+ IN2- IN3+ IN3-

IN4+ IN4-

|  |  |
| --- | --- |
| Dimensions | 51 mm x 30 mm |
| Operating Temperature | 0°C ~ 60°C, non-condensing |
| Power Consumption | 1.65W (3.3V@0.5A) |