

## Multichannel Audio Video Recorder and Replay card- ICS-FG-MAVRR-01C

### DESCRIPTION:

Multichannel Audio Video Recorder and Replay card is a Sitara Processor based card that can concurrently capture four channels of Analog NTSC/PAL video and four channels of stereo audio. It captures raw video frames from each channel at up to full frame rate—30 frames/s for NTSC and 25 frames/s for PAL. The Card has VGA, DVI-D display ports; it supports NTSC video captures frame rates at an aspect ratio of 720x480. and PAL video at 720x576 aspect ratio. It has provision to connect external composite video sources via BNC connectors. The card has Remote interface over RS422 to communicate via GUI for parameter handshaking.



### FEATURES:

- H.264/AVC baseline, main or high profile video compression up to L4.1
- Uncompressed raw data and H.264 compressed data available
- Streaming of RAW video and compressed video with different PAL cameras
- GUI based Channel selection for video capture and data store format
- Single-lane x1 PCIe interface or Gigabit LAN port
- POE Gigabit port
- Time stamping
- Constant Bitrate (CBR).
- 3.5mm audio jack connector
- Rugged meeting MIL-STD-461E

### SPECIFICATIONS:

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| • Input Type : Composite video inputs (NTSC/PAL); 4 Nos     | • MIL-STD-461E : CE101, CS101, CS114, CS116, RE102, RE103, RS103 |
| • Audio : 4 Stereo Line-In; 2-stereo HP-Out                 | • Operating Temp : -40°C to 85°C                                 |
| • Other Ports : 1-PCIe-1x; 2-GigE (1 with POE);             | • Storage Temp : -55°C to 105°C                                  |
| • Peripherals : 2-RS422; 2-RS232; 2-USB 2.0; 4-UART         | • Vibration (random) : 0.1 g <sup>2</sup> /Hz (15-2K Hz)         |
| • Storage : 16GB eMMC NAND FLASH; 1-micro-SD card           | • Shock : 40g peak, 11 ms half-sine                              |
| • Frame Rate : 30 frames/s for NTSC and 25 frames/s for PAL | • Dimensions : 160 × 233 mm                                      |
| • Sampling Rate: Supports 8 kHz to 96 kHz                   | • Weight : 10.0 oz.  |
| • Software/ : Full SDK support for Windows or Linux.        | • Form Factor : 6U size  |
|   | • Power Consumption : 10W approx.                                |

**APPLICATIONS:** Video Surveillance, Law Enforcement, Traffic monitoring, Broadcast-grade video/audio capture

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