



FUTURIS

Rugged Image Processing Unit

- Ultimate rugged video solution for a wide variety of platforms. High processing power and a highly flexible architecture based on NVIDIA GPU technology. The capabilities of FT000612 are as follows:
- It can receive signals such as SDI, Ethernet, and analog video streams from multiple camera sources.
- It can simultaneously merge, rotate, and crop images.
- It can convert the processed image and transmit it to other devices in the desired format, such as SDI, Ethernet, or analog video.
- It can receive commands and transfer them to other devices via RS-422, CAN bus, or Ethernet communication interfaces.
- It can provide three 12 VDC outputs.

I/O Connections

- **Ethernet** – x8 10/100/1000Base-T
- **Video Inputs**
 - 3G-SDI x2
 - Analog Video x8
- **Video Outputs**
 - 3G-SDI x4
 - Analog Video x1
 - HDMI x1
- **Serial** – RS422 x1, CANBus x2

Optional Additional I/O

- Discrete Input x9
- Discrete Output x10
- 12 Volt DC Output (1A) x3





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EMC

- MIL-STD-461F, CE101 / CE102
- MIL-STD-461F, CS101 / CS114 / CS116
- MIL-STD-461F, RE101 / RE102
- MIL-STD-461F, RS101 / RS103

Qualifications

- MIL-STD-810G, Method 501.5 Procedure I
- MIL-STD-810G, Method 502.5 Procedure I
- MIL-STD-810G, Method 507.5 Procedure I
- MIL-STD-810F, Method 516.5 Procedure I

Enclosure

- Power – DC 28±5 Volt MIL-STD-1275E
- Power Consumption <30W
- Power Consumption (with NVIDIA – Idle) <45W
- Dimensions – 275mm x 250mm x 93mm
- Weight – 4kg

