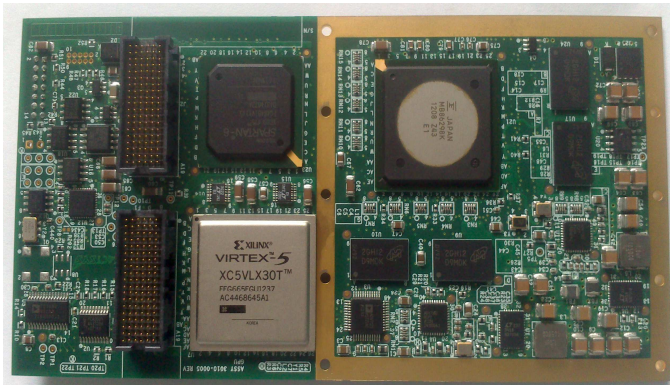


# XMC GPU

## SPECIFICATIONS

- x1 Lane PCIe interface
- Simultaneous video capture capability for one of the following streams or a combination of their subset:
  - Four (4) CVBS/S-Video NTSC, PAL or RS-170 inputs
  - Dual DVI inputs up to 1600 x 1200 @ 60 Hz (with reduced blanking)
  - One ARINC818 Input



Ordering Information  
Part Number 2010-0002-00

Color depths include (not applicable to all inputs):

- 8-bit YCbCr (BT.656-4)
- 32-bit RGB8888 (with Alpha)
- 16-bit RGB565
- 8-bit Mono (green only)

Capture modes include:

- Full frame rate
- Reduced frame rate (user programmable)
- Snap shot (frame grabber mode)

Video output capability:

- One ARINC 818
- Two ARINC708

A Xilinx Virtex-5 FPGA is utilized on-board to provide ARINC 818 TX and RX core. ARINC818 is developed and IP available for use on royalty basis.

- Thermal sensors
- Available in various air and conduction-ruggedized levels
- Hardware built as per DO-254
- MSI and Legacy Interrupt support
- Operating systems: VxWorks 6.x , Linux

## TACTICAL SYSTEMS

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