MicroZed™ Embedded Vision Carrier Card

QUICK START

1. Attach MicroZed SOM to the Embedded Vision Carrier Card’s MicroZed connectors
2. Attach 5V DC power supply to 5V DC Power Supply Connector
3. Navigate to www.microzed.org to download the Embedded Vision Carrier Card Getting Started Guide
   a. Select Products → MicroZed Embedded Vision Carrier Card
   b. Scroll down to Documentation, and click on Getting Started Guide
4. Extract all files and follow instructions in the extracted Getting Started Guide
5. For experienced users:
   a. Copy the contents from the sd_image directory to a microSD Card
   b. Set MODE pins on MicroZed to microSD Card boot mode
   c. Insert microSD Card with image into MicroZed microSD Card cage
   d. Connect a non-encrypted video source to the HDMI input connector
   e. Connect a DVI/HDMI video monitor to the HDMI output connector
   f. Power MicroZed by setting the Embedded Vision Carrier Card’s Power Supply Switch to DC5V
   g. Observe the content of the video source on the monitor

Features

- **HDMI Input**: HDMI Input, featuring Analog Devices ADV7611
- **HDMI Output**: HDMI Output, featuring Analog Devices ADV7511
- **Camera Input**: Camera connector, supporting several optional camera modules
- **PoE**: Power over Ethernet interface, featuring ST Microelectronics PM8803
- **PMODS**: 3 Digilent Compatible
- **Peripheral Module Interfaces**
  - One directly connected to PS MIO
  - Two connected to PL I/O banks
- **SWITCH/LED**: 2 LED’s, 2 pushbuttons
- **EEPROM**: Ethernet MAC ID

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**Power Supply Switches**
- POE/OFF/DC5V

**MicroZed Connectors**
- MicroZed

**Power Over Ethernet (PoE)**
- 5V DC Power Supply Connector

**micro-HDMI Input**
- MicroZed Connectors

**micro-HDMI Output**
- JTAG Access

**2 LEDs**
- DONE LED

**Audio Mic/Headphones Line in / Out**

**Camera Connector**
- Digilent Pmod™ Compatible Port

**PL I/O**
- Digilent Pmod™ Compatible Ports

**2 PushButtons**
- 2 LEDs

**Audio**
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