

# PicoZed™ Embedded Vision Kit



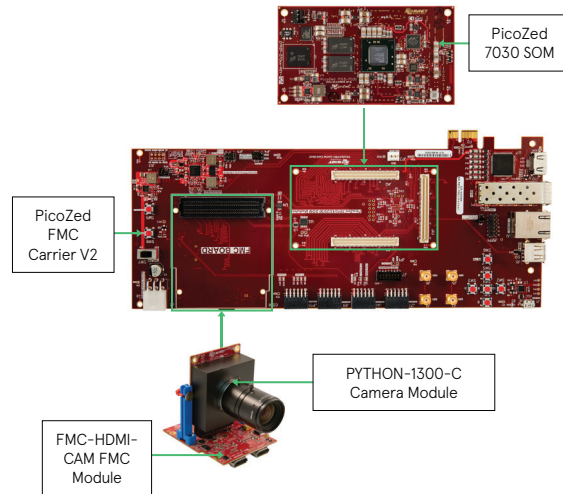
## INSTRUCTIONS

1. Set the PicoZed™ FMC Carrier V2's VADJ Voltage jumper (JP5) to 1-2 for 1.8V operation.  
**WARNING! 7030 must be 1.8V only**
2. Attach PicoZed SOM to the PicoZed FMC Carrier V2's PicoZed connectors
3. Attach the PYTHON-1300-C Camera Module to the FMC-HDMI-CAM FMC Module with the vertical PCB guides
4. Attach the FMC-HDMI-CAM + PYTHON camera assembly on the PicoZed FMC Carrier V2's FMC connector
5. Attach 12V DC power supply to 12V DC Power Supply Connector
6. Navigate to [www.picozed.org](http://www.picozed.org) to download the PicoZed Embedded Vision Kit Getting Started Guide
  - a. Select Products → PicoZed Embedded Vision Kit
  - b. Scroll down to Documentation, and click on Getting Started Guide
7. Extract all files and follow instructions in the extracted Getting Started Guide
8. For experienced users:
  - a. Copy the contents from the **sd\_image** directory to a microSD Card

- b. Set MODE pins on PicoZed to microSD Card boot mode
- c. Insert microSD Card with image into PicoZed 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 kit by setting the PicoZed FMC Carrier V2's Power Supply Switch to ON
- g. Observe the content of the PYTHON camera on the monitor

### Features

- PicoZed 7030 SOM
- PicoZed FMC Carrier V2
- FMC-HDMI-CAM FMC Module, featuring:
  - 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
- PYTHON-1300-C Camera Module



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