The DesignCore™ Camera Mezzanine Board with 5MP micro camera module enables rapid development of embedded vision applications. It supports the DragonBoard™ 410c by Arrow Electronics. It is the first easy solution for adding cameras on 96Boards.

Direct MIPI CSI-2 access to camera data allows more realistic evaluation of embedded vision designs. It eliminates the need to decode USB or Ethernet protocols, resulting in lower power and higher performance.

The miniature camera module (included) features an OmniVision 5MP image sensor and micro lens with autofocus. Available output formats include 5MP at 15fps and 1080p at 30fps.

The mezzanine board includes demonstration software running Linux to display 1080p video via HDMI. It is ideal for algorithm development, end application development, and evaluation of image sensors and optics.

**FEATURES**
- Conforms to 96Boards Consumer Edition specification
- Supports Arrow DragonBoard™ 410c
- Direct MIPI CSI-2 camera access
- 5MP autofocus camera module included
- Software support: Linux (Debian)

**ORDERING INFORMATION**
DesignCore™ Camera Mezzanine Board OV5640
Part # D3 CAMERA MEZZ OV5640
(QTY 1 part # LI-OV5640-MIPI-AF is included)

To order, contact your local Arrow account manager, call 1-855-326-4757, or visit arrow.com.

**WHAT’S INCLUDED**
- DesignCore™ Camera Mezzanine Board OV5640
  - Camera Interfaces: Two MIPI CSI-2 (2-lane)
  - Expansion Interfaces: Two UART, two SPI, one I2C, one PCM, GPIO
- Leopard Imaging Micro Camera Module OV5640
  - OmniVision OV5640 1/4” 5MP CMOS image sensor
  - Micro lens with VCM-driven autofocus
  - Focal length: 3.5mm
  - Focus distance: 10cm to infinity
  - FOV: 65°

**ACCELERATE TIME TO MARKET**

The DesignCore™ Camera Mezzanine Board OV5640 enables rapid development of your proof-of-concept prototype. D3 Engineering supports additional smart camera development with our proven DesignCore™ Reference Designs and our full-cycle embedded system design services. Our expertise with image sensors, optics, video analytics, and imaging system design will help you get to market faster, while reducing the risks and costs of new product development. Contact us to get started.

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