

DESIGNCORE™

CAMERA MEZZANINE BOARD OV5640

For fast evaluation of embedded vision with the DragonBoard™ 410c

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)

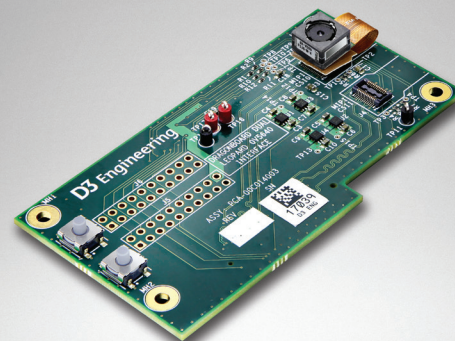
ORDERING INFORMATION

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°

D3 Engineering can provide assistance with interfacing other image sensors and custom camera development.

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.

CALL: 1-585-429-1550

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VISIT: D3Engineering.com/Solutions/Embedded-Vision

