

# DragonWally DW1

Camera Mezzanine Expansion Board for  
the DragonBoard 410c SBC

# DragonWally

## Rapid prototyping and evaluation of embedded computer vision with the DragonBoard 410c SBC

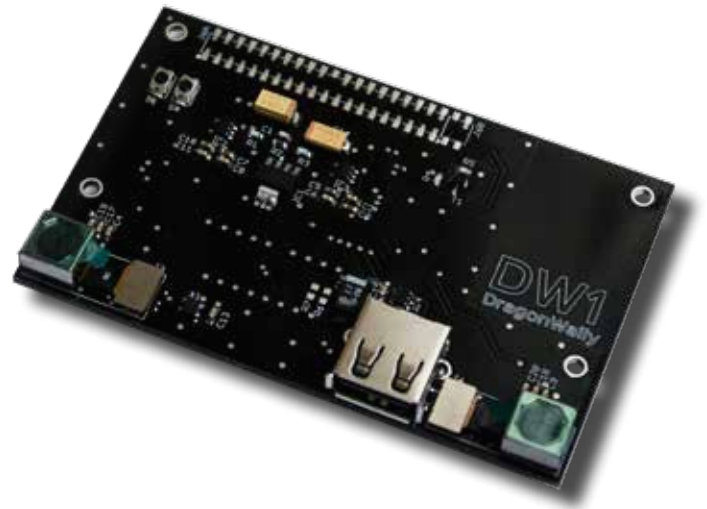
The **DragonWally DW1 Mezzanine** with two **OV5645** (OmniVision) camera modules enables rapid prototyping and development of computer vision applications using the **DragonBoard410c** SBC. The direct interfacing of cameras through **MIPI-CSI** signals allows for a robust implementation of embedded computer vision applications, eliminating the need of external cameras (using USB ou Ethernet).

The mezzanine board has an additional USB port, equipped with overcurrent protection (500mA), ESD protection of the D+/D- signals and power On/Off control through GPIO port of the **DragonBoard 410c**.

As an optional feature, the board can be mounted with pass-through connectors for the Low-Speed signals (96Boards standard), as well as for the USB signals.

## FEATURES

- Conforms to the 96Boards Consumer Edition specification
- Supports **DragonBoard 410c**
- Direct **MIPI-CSI** camera interfacing
- Supports two 5 Megapixel cameras
- Supports Linux (**Linaro Debian**) OS
- Supports **OpenCV**, **Python** and **TensorFlow** for rapid computer vision application development
- Optional pass-through connectors for easy and modular expansion (with other mezzanines or custom circuitry)



## INCLUDED ITEMS

- **DragonWally DW1** Mezzanine board
- Two **OV5645** camera modules

## ORDERING INFORMATION

### DragonWally DW1 Mezzanine

- Part Number : DW1 CAMERA MEZZ DUAL

## CUSTOM PRODUCT DESIGN SERVICES

We offer customization services of this reference design for new applications meeting additional client requirements. Our engineering team has solid experience with hardware and software design for the **Snapdragon 410E** platform.

## CONTACT

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