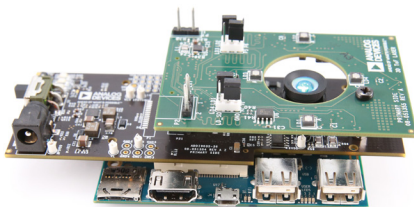


3D Imaging Time of Flight Development Platform

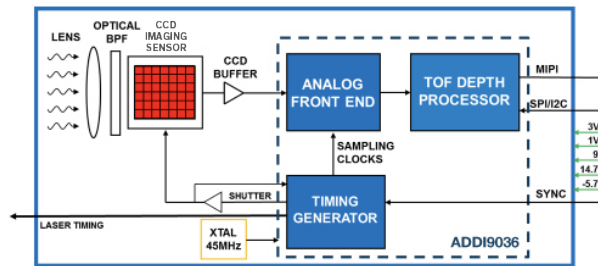
Complete Hardware and Software solution that works out of the box. Simple Software installation gets users up and running in minutes.

3D Time of Flight (ToF) creates a depth mapping of objects within the field of view and is a key solution used for developing digital vision for many applications. The development platform comes

with everything a user needs to start working immediately on 3DToF applications, enabling the development of high value features and functions that create product differentiation.



Development Platform



3DToF Camera Module



Depth Mapping Image

> Features

- 96Boards mezzanine card
- DragonBoard 410C support
- 6m range, up to 1% accuracy
- Finisar 940 nm wavelength VCSEL, up to 40W output
- VGA resolution up to 30fps
- 90° x 69.2° FOV
- CCD sensor, 640x480
- USB, Ethernet or Wi-Fi to connect to a host computer
- 13.8mm removeable lens
- V4L2 capture driver
- Native/Host SDK
- Support for multiple host OSs: Linux, Windows, MacOS
- OpenCV, python and MATLAB wrapper support
- Evaluation software plus limited demo applications and algorithms included
- Depth mode, IR mode

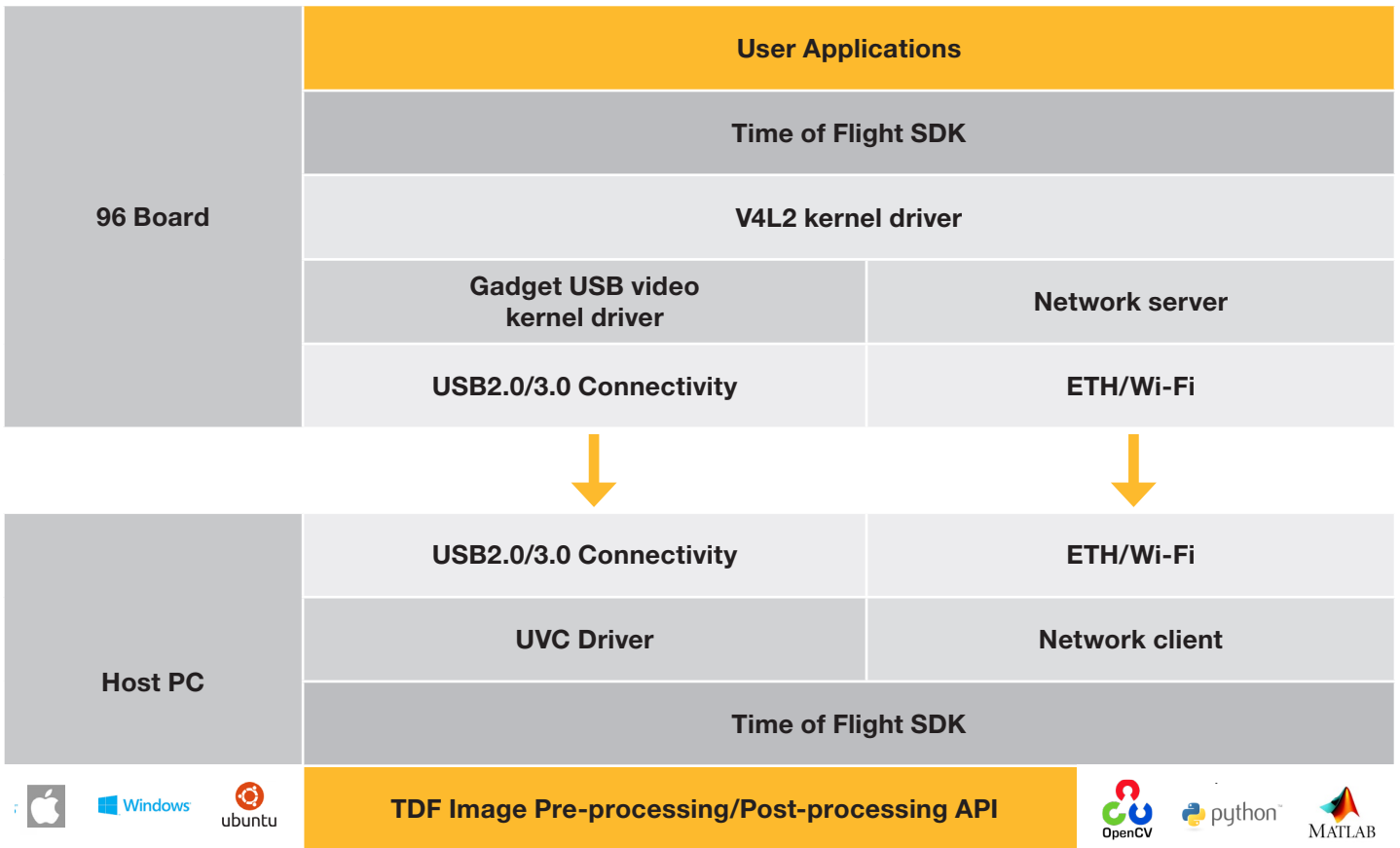
Applications

- > **INDUSTRIAL**
 - Automated vehicles
 - Safe zone operation
 - Robotics
- > **BUILDING MANAGEMENT**
 - Surveillance applications
 - SLAM
- > **AUTOMOTIVE**
 - Gesturing
 - Passenger Monitoring

Specifications	Typical
DC Input	5 VDC
Range	Up to 6m
FoV	90° x 69.2°
VCSEL	940nm
Accuracy	Near: 20cm to 1.2m; < 2.5% accuracy Mid: 1m to 2.6m; < 2% accuracy Far: 2.6m to 6m; < 1% accuracy
Frame Rate	Up to 30fps
Resolution	640 x 480
Operating Temperature	0° to 60°C

Specifications	Typical
I/O Options for DragonBoard 410c	USB 2.0, Ethernet, Wi-Fi 802.11agn, I ² S, HDMI, I ² C, MIPI-CSI, MIPI-DSI, SDIO, USB 2.0, 16 Configurable GPIO Additional RPI connector on Mezzanine board for connection to other compatible CPU boards
Processor	Qualcomm 410E processor
EEPROM	1Mb storage
SD/uSD	Removeable uSD card slot

Software Stack



Via Phone

Contact your local Arrow representative at:

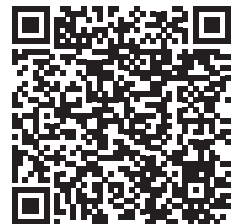
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Online

arrow.com/3DToF



Get More Info: