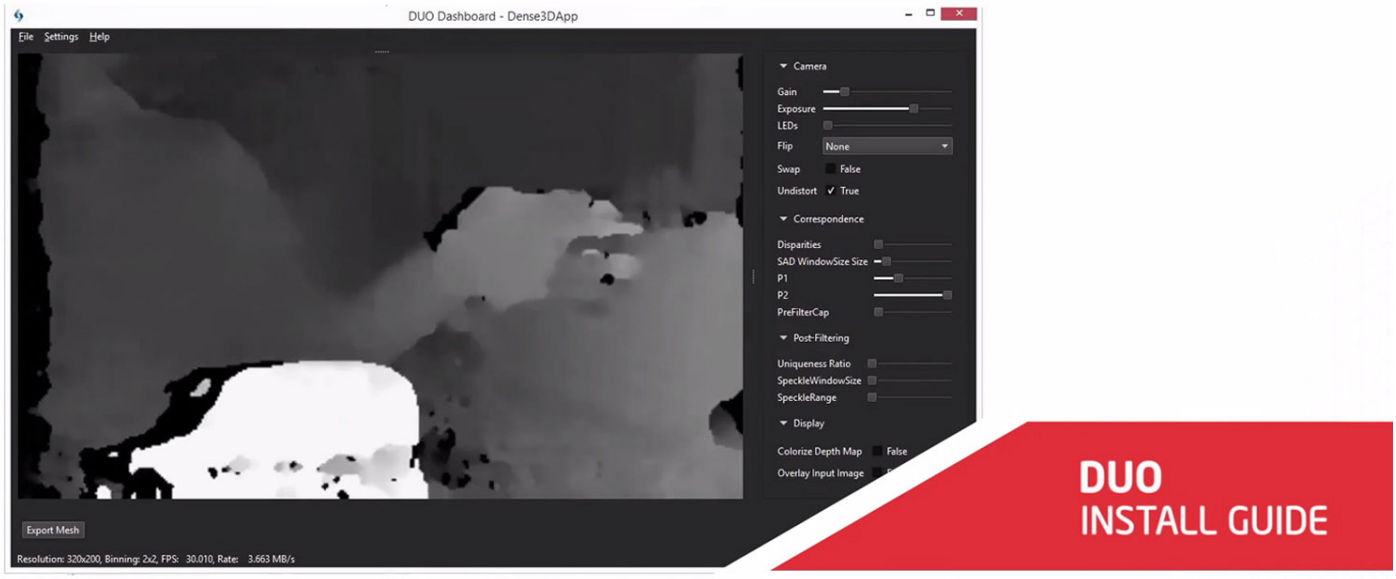
DUO Installation



Overview

This guide outlines installing DUO devices on your system. Before starting verify that your system meets all the system requirements.

Supported Platforms

Download the latest DUO Software to start using your device. The DUO may requires a device driver which is included in the installer.

ARM

Linux

Ubuntu Jetson TK-1

Linux

Ubuntu 14.04.2 LTS

Mac

Apple OS X 10.9+

Windows

Windows 7/8/10

Requirements

Components

The DUO consists of these key parts:

- DUO Applications
- DUO Software - Downloads
    - API - Application Interface
    - SDK - Software Developers
    - Apps - DUO Applications
- DUO Firmware - Updates
- DUO Devices - M / MLX / DDK

System Requirements

Here are the requirements for using DUO:

- Latest software with valid license
- Supported DUO Devices (M/MLX/DDK)
- Modern Processor (i7 4th generation etc.)
- Linux/Mac/Windows based Computer
- Recommend 4 Gb System Memory
- Modern Internet Browser
- USB 2.0 Micro-B Cable

Specifications

Some of the key details about the DUO:

- DUO M/MLX - 30mm Baseline
- Max 752x480 Stereo @ 60 FPS
- 170° Wide Angle M8/M12 Lenses
- 2x 1.3MP CMOS Sensors
- Pixel Size: 6.0 x 6.0µm
- RAW Bayer Sensor Data
- USB 2.0 480 Mbps

Taking Care of DUO

There is several guidelines you should follow for taking care of your DUO. Staring with some maintenance/customization topics.

Customizations

- **Lens Exchange** - The device will accept any **M8** lenses by default with ability to use a **M12** lens mounts.
- **Mounting** - The device can be mounted with standard **M2x0.4** screws and we offer adapters for standard mount types.

Maintenance

- **Cleaning** - We recommend cleaning the device with compressed air and a electronic equipment cleaning solution, mind the lenses.
- **Storage** - The device is delicate please make to store safely to ensure the lens assembly is not damaged or taken out of focus.

Warnings

- **Static Electric** - As with any electronic equipment the equipment the device should be shielded from static electricity.
- **Heat Generation** - With any compact imaging device it will generate heat in operations. We recommend the following:
  - Make sure to properly monitor your temperature of the device.
  - More heat will be created when using the high powered LED board.
  - Limit LED usage or use external modules if using within contained space.