



bridge
the gap

Quick start guide

for Basler dart camera for UP

step 1

Basic setup of the board and accessories

- ✓ Is the heat sink attached to the CPU
- ✓ Is the RTC Battery plugged in the pin header
- ✓ Power adapter with 3-4A@5V. 5.5/2.1mm DC jack
- ✓ HDMI cable with type A male connector
- ✓ Keyboard & mouse to control your up board
- ✓ Basler dart camera
- ✓ USB 3.0 OTG cable and adapter
- ✓ USB Drive for loading the OS (min. 2 GB)

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step 2

Connect your UP board in the following sequence and install your preferred OS

- Connect your Bootable USB drive with preferred OS preload (see www.up-community.org)
- Connect the HDMI cable to your monitor
- Connect keyboard + mouse
- Insert power DC cable (this will power up the board)
- Wait for the UP BIOS logo!
- Follow the needed steps to install OS

step 3

Install the pylon Camera Software Suite

<https://www.baslerweb.com/en/support/downloads/software-downloads>

• For Windows

<https://goo.gl/DiXba9>

> choose pylon Camera Software Suite Windows

• For Ubuntu

<https://goo.gl/1YK7KN>

> choose pylon Camera Software Suite Linux x86 (64 Bit)

• For Ubilinux

<https://goo.gl/DgBVeO>

> Follow the instructions in readme.txt to install software

step 4

Run Basler dart camera with pylon

- Connect the Basler dart camera via USB3 cable and USB3 OTG cable adapter to USB3 OTG port of UP Board
- Launch the pylon Viewer
- Double-click on the dart camera in the pylon Viewer's camera tree to open the camera
- Click on the Continuous Shot button in the pylon Viewer to display a camera live view
- More information about the pylon Camera Software Suite can be found at:
<https://www.baslerweb.com/en/products/software/>