Argos3D-Pulse

Quick Start Guide

Version 2

BECOM Systems GmbH

Gutheil-Schoder-Gasse 17

1230 Wien

AUSTRIA

office.systems@becom-group.com

systems.becom-group.com

Argos3D-Pulse – Quick Start Guide

Document No.: 900-308 / A

Publication date: October 1, 2021

Subject to change without notice. Errors excepted.

Windows is a registered trademark of Microsoft.

Table of Contents

Information

For further information on technology, delivery terms and conditions and prices please contact BECOM Systems
www.becom-group.com

Warning

Due to technical requirements components may contain dangerous substances.

1 Unboxing

1.1 In the box

- Argos3D-Pulse

- CAT5/7 Ethernet Cable

- Interface Breakout-Board

- Quick Start Guide

- Power Supply

! **Note**

The power supply's operating temperature is specified from 0 to +40℃. This represents not the effective working temperature of the Argos3D-Pulse sensor!

1.2 Connecting your Argos3D-Pulse

1.3 Connector Overview

The Argos3D-Pulse uses one common connector for power and interfaces. For test purposes the KIT contains a breakout-board to have individual access to the interfaces of the Argos3D-Pulse.

The break-outboard has three main interfaces:

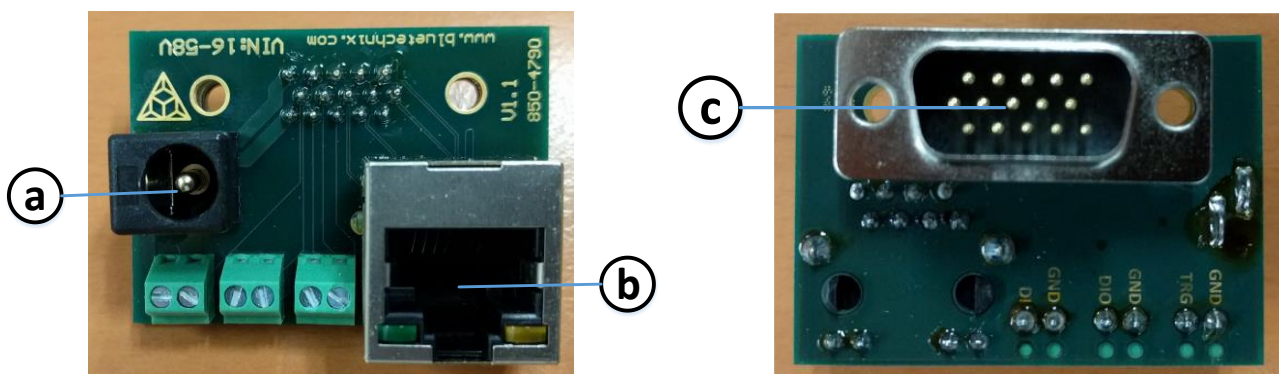a. Power Connector

b. Ethernet

c. Argos3D-Pulse common connector

Figure 1-1: Argos3D-Pulse break-out board front and rear view

BECOM
it's possible.

> **!** **Note**
>
> Please follow the next steps in the right order to get your 'Argos3D-Pulse' up and running correctly.

1.3.1 Connecting the break-out board

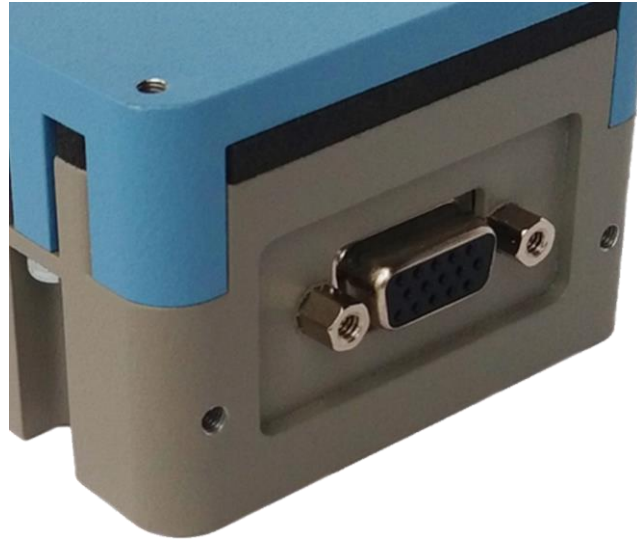Please connect the break-out board to the Argos3D-Pulse common connector first.

Figure 1-2: Argos3D-Pulse common connector

1.3.2 Connecting the power supply

To ensure, that your Argos3D-Pulse works correctly, connect the 'Argos3D' to a **12-30V DC** power supply using connector **(a)** and wait for approximately 20 seconds until the camera boots up.

Pin assignment on the power connector (a): Pin #1: +12V to +30V, Pin#2: GND

> **!** **Note**
>
> The power supply connector is protected against wrong polarity but the 'Argos3D' will not work in case you don't use the correct polarity! If the Argos3D-Pulse doesn't work please check the power supply polarity first!

1.3.3   Connecting the Ethernet Cable

Plug in the Ethernet cable **(b)** and connect your Argos3D-Pulse to your PC.
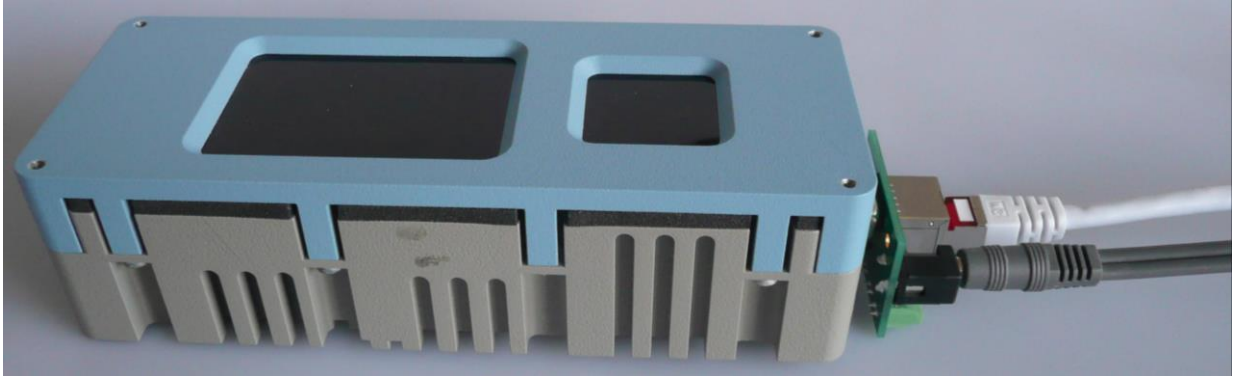

Figure 1-3: Argos3D-Pulse connected to power and Ethernet

2 Evaluation Software

Please open the website at support.systems.becom-group.com and select "Support, Documentation & Software Download". Please select the Argos3D-Pulse product link and download the Blt Tof Suite.

2.1 Prepare your Network Interface Card (NIC)

Once you have connected your Argos3D-Pulse to a Network Interface Card (NIC) of your PC give this NIC the IP-Address 192.168.0.1 with a subnet mask of 255.255.255.0.

No driver must be installed on your PC!

The Argos3D-Pulse uses IP-Address 192.168.0.10 with subnet mask 255.255.255.0.

2.2 Start using your Argos3D-Pulse with 'BltTofSuite'

Using this software, you can simply display the depth image, the pointcloud and the amplitude image of the Argos3D-Pulse. For a detailed introduction to the software, please read the 'ToF Suite - Quick Start Guide'

Go to the directory where you unzipped the software and start the "*BltTofSuite.exe*". On how to use the ToF Suite, please refer to the user manual.

3 System Requirements & Support

An Argos3D-Pulse enabled application is required in order to use this 'Argos3D' device.

Connect to a system with:

- Operating System: Microsoft Windows 7/8/10

- 32 bit (x68) or 64 bit (x64) processor

- Dual-core 2 GHz or faster CPU

- Dedicated Ethernet port

- 4 GByte RAM

3.1 Support

For answers to common questions, troubleshooting steps and further documentation visit our BECOM Systems support website or using the direct link: https://support.bluetechnix.com/wiki/Main_Page

4 Document Revision History

Version	Date	Document Revision
1	2021 08 02	First draft
2	2021 10 01	Review, minor changes and release

Table 4-1: Revision history

A List of Figures and Tables

Figures

Tables