

TOREO-P650

Quick Start Guide

Version 1

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TOREO-P650 – Quick Start Guide

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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

- TOREO-P650
- M12 Ethernet Cable
- M12 Power Supply Cable
- Single Wire to DC10 Adapter

2 Connecting your TOREO-P650

2.1 Connector Overview

The TOREO-P650 has two IP67 compliant connectors: An eight pole X-coded M12 connector used for gigabit ethernet communication, and a twelve pole M12 connector for power supply, and IOs.

- a. Power Connector
- b. Ethernet



Figure 2-1: TOREO-P650 connectors



Note

Please follow the next steps in the right order to get your 'TOREO-P650' up and running correctly.

2.1.1 Prepare Power Cable

Please connect the violet, grey-pink and red-blue wire to the power supply ground and the white, brown and blue wire to the + pole of your 24V power supply. Please use a power supply with at least 90W. An appropriate power supply can be ordered from BECOM systems (see chapter 6)

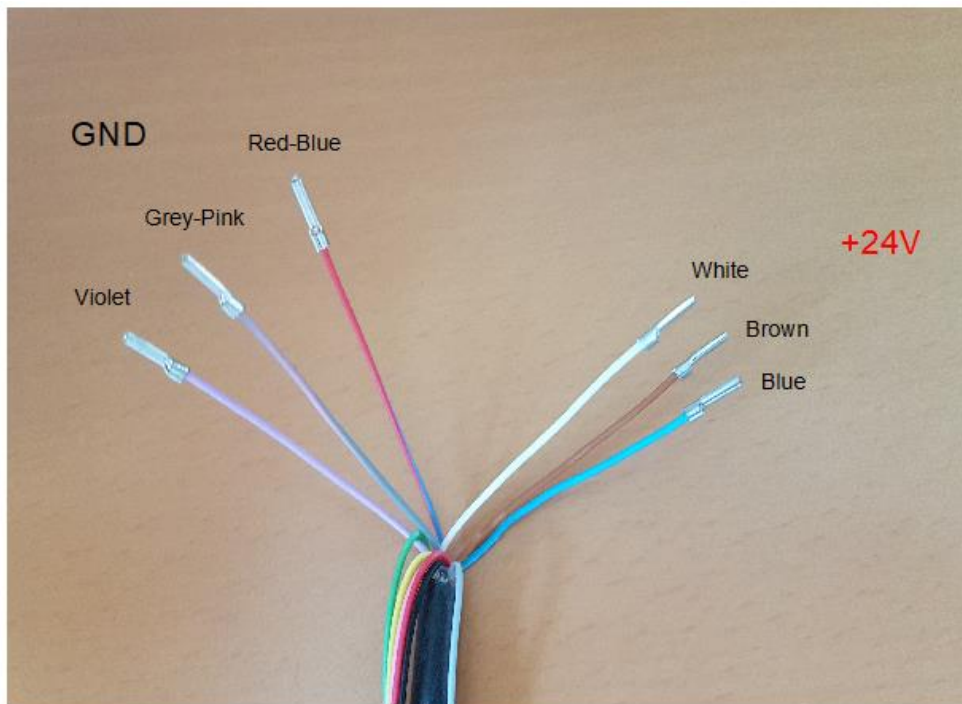


Figure 2-2: TOREO-P650 power cable layout



Note

Use a 24V power supply with at least 90W. If the camera doesn't come up, please check the power connection and your power supply first. An appropriate power supply can be ordered from BECOM Systems (see chapter 6)

2.1.2 Connecting the power cable

Connect the 'TOREO' to the power supply using connector **(a)** and wait for approximately 30 seconds until the camera boots up.

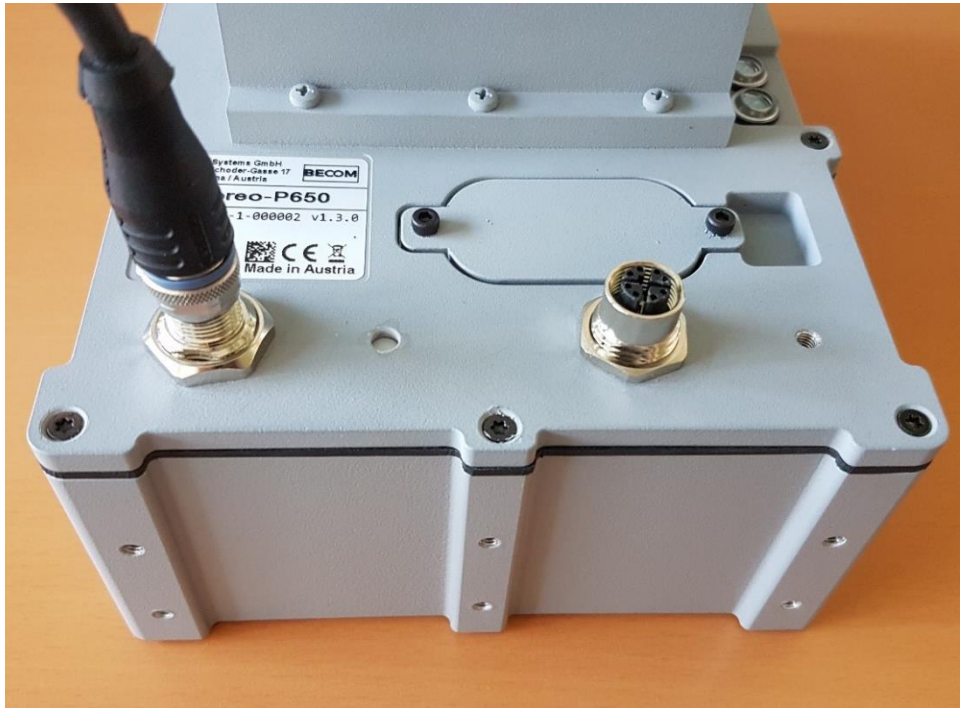


Figure 2-3: TOREO-P650 power cable connected



Note

The power supply connector is protected against wrong polarity, but the 'TOREO' will not work in case you don't use the correct polarity! If the TOREO-P650 doesn't work, please check the power supply polarity first!

2.1.3 Connecting the Ethernet Cable

Plug in the Ethernet cable **(b)** and connect your TOREO-P650 to your PC.

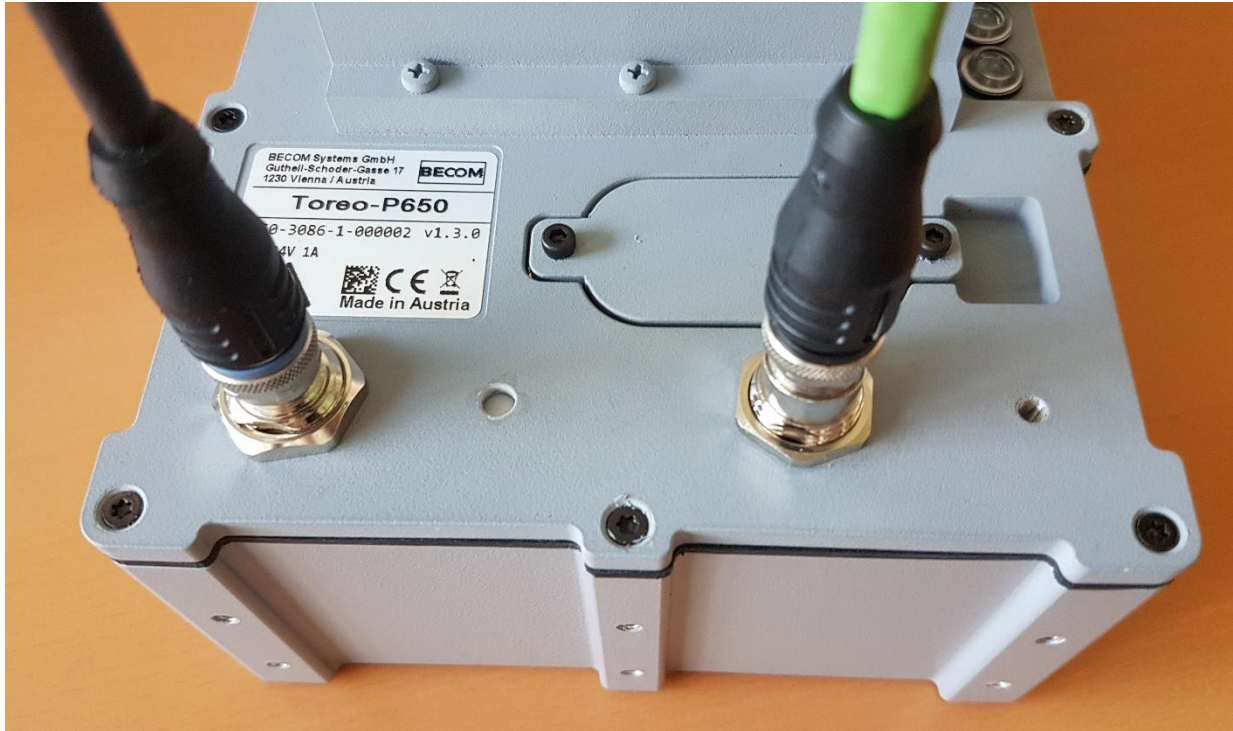


Figure 2-4: TOREO-P650 connected to power and Ethernet

3 Evaluation Software

Please open the website at support.systems.becom-group.com and select "Support, Documentation & Software Download". Please select the TOREO – P650 product link and download the Blt ToF Suite.

3.1 Prepare your Network Interface Card (NIC)

Once you have connected your TOREO-P650 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 TOREO-P650 uses IP-Address 192.168.0.10 with subnet mask 255.255.255.0.

3.2 Start using your TOREO-P650 with 'BltToFSuite'

Using this software, you can simply display the depth image, the amplitude image and the RGB images of the TOREO-P650. 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.

4 Optional Accessories

4.1.1 Tripod Mounting Kit

The TOREO-Mounting-Plate offers the possibility to mount the TOREO-P650 on a 3/8"-16 UNC tripod mount.



Figure 4-1: Tripod mounting plate



Figure 4-2: TOREO-P650 with tripod mounting plate

4.1.2 Power Supply



Figure 4-3: TOREO-P650 power supply



Figure 4-4: TOREO-P650 power supply connector

5 System Requirements & Support

An TOREO-P650 enabled application is required in order to use this 'TOREO' 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 Gbit-Ethernet port
- 8 GByte RAM

5.1 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

6 Related products

Article Number	Name	Description
150-3089-1	TOREO Tripod Mounting Kit	Mounting plate with 3/8"-16 UNC tripod mount
510-0104	Power Supply	24VDC-3.75A, 100-240VAC

Table 6-1: Related products

Additional information can be found at suppport.systems.becom-group.com

7 Document Revision History

Version	Date	Document Revision
1	2021 10 01	First draft

Table 7-1: Revision history

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