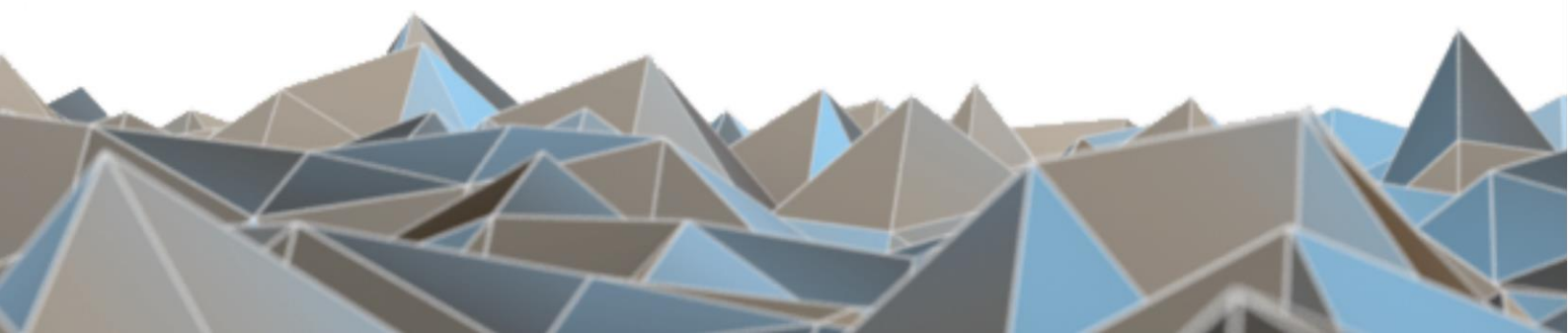
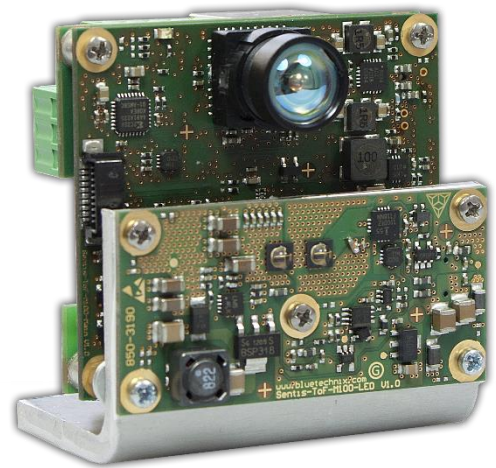


BLUETECHNIX
Embedding Ideas

Sentis-ToF- M100

Quick Start Guide

Version 6





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Sentis-ToF-M100 – Quick Start Guide

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Information

For further information on technology, delivery terms and conditions and prices please contact Bluetechnix (<http://www.bluetechnix.com>).

Warning

Due to technical requirements components may contain dangerous substances.

1 Unboxing

1.1 In the box

- Sentis-ToF-M100
- CAT5/7 Ethernet Cable
- Tripod
- Quick Start Guide
- Power Supply *

! * Note
The power supply's operating temperature is specified from 0 to +40°C. This represents not the effective working temperature of the Sentis^{ToF} - M100 sensor!

1.2 Connecting your Sentis-ToF-M100

1.2.1 Connector Overview

- Power Supply
(Pin#1: +24V, Pin#2: GND)
- Ethernet (RJ45) 10/100Base-T
- GPIOs
- RS232/485
- Configuration DIP-Switch

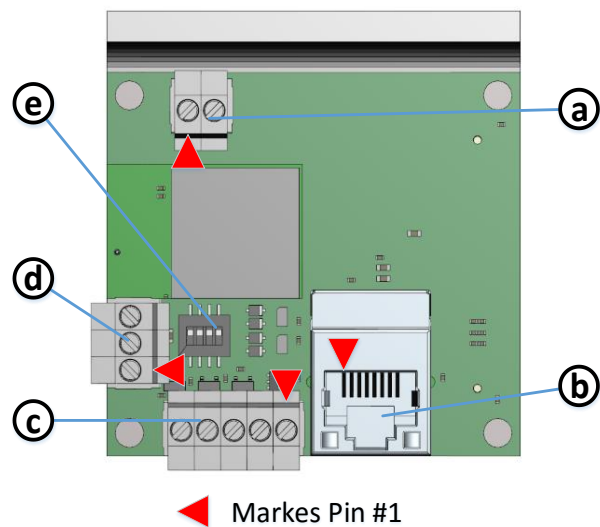


Figure 1-1: Sentis-ToF-M100 connectors and interfaces

! Note
Please follow the next steps in the right order to get your 'Sentis' up and running correctly.

1.2.2 Connecting the power supply

To ensure, that your Sentis^{ToF} - M100 works correctly, connect the 'Sentis' to a **24V DC** power supply using connector **(a)** and wait for approximately 10 seconds until the camera boots up.

Pin assignment on the power connector (a): Pin #1: +24V, Pin#2: GND



Note

The power supply connector is protected against wrong polarity but the 'Sentis' will not work in case you don't use the correct polarity! If the Sentis^{ToF} - M100 doesn't work please check the power supply polarity first!

1.2.3 Connecting the Ethernet Cable

Plug in the Ethernet cable **(b)** and connect your Sentis^{ToF} - M100 to your PC.

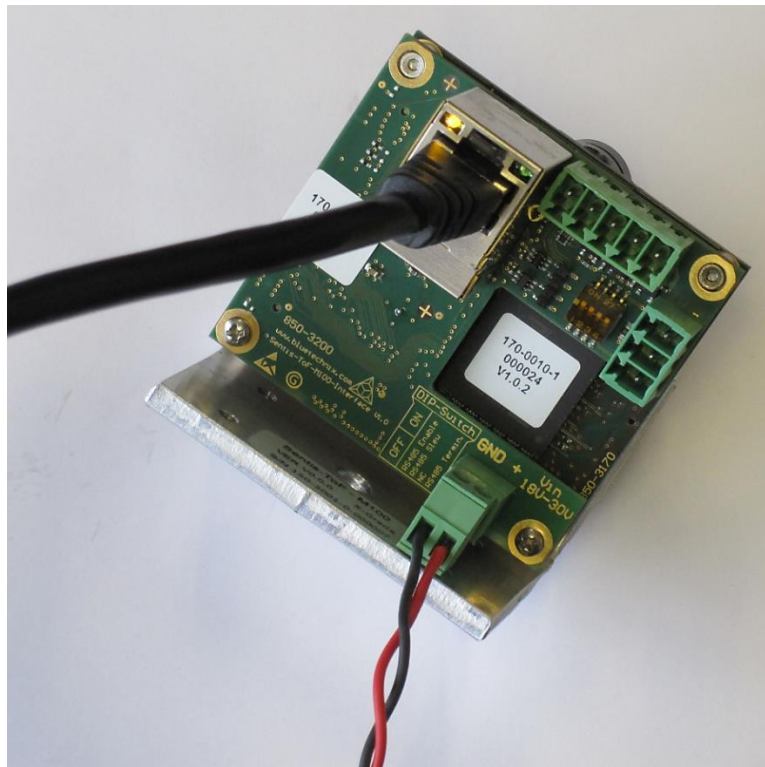


Figure 1-2: Sentis-ToF-M100 with connected power supply and Ethernet cable

2 Downloading the Evaluation Software

Please log in to our support website at <https://support.bluetechnix.com/> and download the Sentis-ToF-M100 customer software package. This package also includes the Bluetechnix ToF Suite.

2.1 Support website

Select ,Documentation Free access'

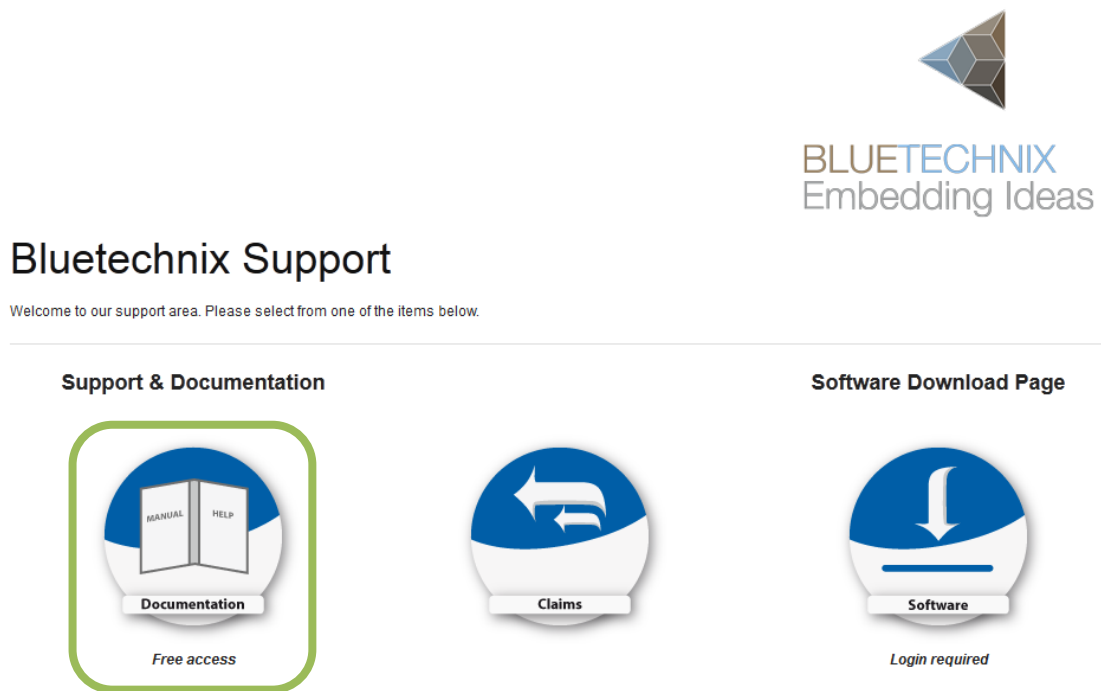
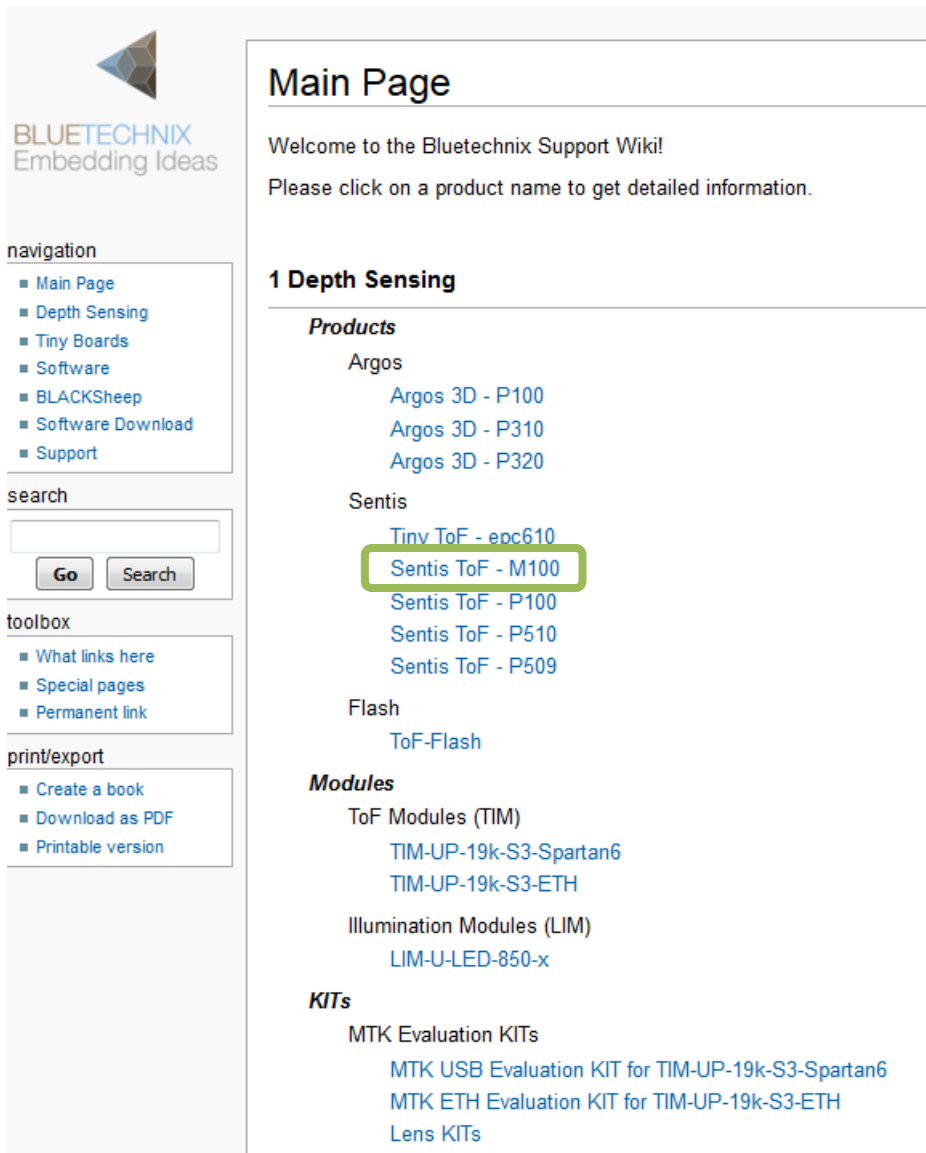


Figure 2-1: Download Evaluation Package

2.2 Start-up screen



Main Page

Welcome to the Bluetechnix Support Wiki!
Please click on a product name to get detailed information.

1 Depth Sensing

Products

Argos

- [Argos 3D - P100](#)
- [Argos 3D - P310](#)
- [Argos 3D - P320](#)

Sentis

- [Tiny ToF - epc610](#)
- [Sentis ToF - M100](#)
- [Sentis ToF - P100](#)
- [Sentis ToF - P510](#)
- [Sentis ToF - P509](#)

Flash

- [ToF-Flash](#)

Modules

ToF Modules (TIM)

- [TIM-UP-19k-S3-Spartan6](#)
- [TIM-UP-19k-S3-ETH](#)

Illumination Modules (LIM)

- [LIM-U-LED-850-x](#)

KITs

MTK Evaluation KITs

- [MTK USB Evaluation KIT for TIM-UP-19k-S3-Spartan6](#)
- [MTK ETH Evaluation KIT for TIM-UP-19k-S3-ETH](#)
- [Lens KITs](#)

Figure 2-2: Start-up screen

Please select your product.

Please follow the instructions on the Website



2.3 Prepare your Network Interface Card (NIC)

Once you have connected your Sentis^{ToF} - M100 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 Sentis^{ToF} - M100 uses IP-Address 192.168.0.10 with subnet mask 255.255.255.0.

3 Start using your Sentis-ToF-M100 with 'BltTofSuite'

Browse to the directory where you previously saved the BltTofSuite software zip file. Unzip the software. On how to use this software, please refer to the Bluetechnix ToF Suite user manual included in the software package.



Figure 3-1: Sample scenario with Sentis-ToF-M100



4 System Requirements & Support

A Sentis^{ToF} - M100 enabled application is required in order to use this 'Sentis' device.

Connect to a system with:

- Operating System: Microsoft Windows XP/7/Vista
- 32 bit (x68) or 64 bit (x64) processor
- Dual-core 2 GHz or faster CPU
- Dedicated Ethernet port
- 2GByte RAM

4.1 Support

For answers to common questions, troubleshooting steps and further documentation visit our Bluetechnix support website or using the direct link: https://support.bluetechnix.at/wiki/Sentis-ToF-M100_Camera



5 Product History

5.1 Version Information

5.1.1 Sentis-ToF-M100

Version	Release date	Firmware Version
X-Grade	May 2013	V0.1.0

Table 5.1: Overview Sentis-ToF-M100 product changes

Additional information can be found at <http://support.bluetechnix.com>

5.2 Anomalies

Version	Date	Description
0.0.0		No anomalies reported yet.

Table 5.2: Product anomalies

Additional information can be found at <http://support.bluetechnix.com>

5.3 Document Revision History

Version	Date	Document Revision
0	20130513	First draft
1	20130531	First release
2	20130605	Minor changes in format
3	20130718	Added power supply operating temperature range
4	20140306	Changed GSA to Visualizer and screenshot
5	20140307	Formatted
6	20160210	Removed BltToF Suite section Changed to Downloading the Evaluation Software

Table 5.3: Revision history