

BLUETECHNIX Embedding Ideas

Sentis-ToF-M100

Quick Start Guide

Version 0.2





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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.



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1 Unboxing

1.1 In the box

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

1.2 Connecting your Sentis-ToF-M100

1.2.1 Connector Overview

- a. Power Supply (Pin#1: +24V, Pin#2: GND)
- b. Ethernet (RJ45) 10/100Base-T
- c. GPIOs
- d. RS232/485
- e. 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

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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



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2 Downloading the Evaluation Software

Bluetechnix Support

Please log in to our support website at <u>https://support.bluetechnix.com/</u> and download the Graphical Stream Analyser (GSA) software '*GSA_V3.0.0_DEMO_for_Sentis-ToF-M100.zip*'.

2.1 Support website





Figure 2-1: Download Evaluation Package

2.2 Login Screen

Log In	
Dear valued customer,	
	Bluetechnix software. Please note that to enter this site you will need to create an account. If please sign up here. If you already have an account, you may log in using your email address an
For documentation and s	upport please click <u>here</u> .
Login Details	
Email address	
Password	
	Login

Figure 2: Login screen



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2.3 Register as new customer

If you don't have a valid customer login you can create a new account at <u>https://support.bluetechnix.com/software/CreateUser.aspx</u>

https://support.bluetechnix	any sortware/ create	озенаери
Bluetechnix Subversi	on Access Ma	nagement System
New User Information		
Dear valued customer, Thank you for purchasing from E fast as possible.	luetechnix. Please r	read the instructions below so we are able to create your account as
multiple accounts for a single co	mpany if for exampl	servers, you will need to create an account. It is possible to create le more than one employee needs to download software. Please note ess rights. It is not possible to restrict certain employees to specific
This system is not live and even until you are actually able to ac		are allowed to access specific repositories, there is a one hour delay
Please note that this is a monito password attempts,) are det		ive actions (trying to access locked repositories, dictionary/brute forc t will be suspended.
Upon registration, this system p	erforms basic check	s on your data and will then inform you of the result.
User Details	nrougn a distributor	and therefore have no customer number, please click here to request
First name *		
Last name *		
Company name *		
Email address *		
Phone number		
Customer number *		No customer number?
Password *		
Password (verify) *		
R	egister	
		Back to the login pa

Figure 2-3: Registration form



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2.4 Prepare your 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 'Graphical Stream Analyser'

Browse to the directory where you have saved the Graphical Stream Analyser (GSA) software zip file. Unzip the software.

Using this software you can simply display the depth image and the amplitude image of the Sentis^{ToF} - M100.

Mount the Sentis-ToF-M100 on the provided tripod and place it on your desk approximately 30 cm in front of you.



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

Go to the directory where you have unzipped the software and start the "*GraphicalStreamAnalyser.exe*". After the software has been started, you should see something like the screenshot below.





Figure 3-2: GSA screenshot



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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 Graphical Stream Analyser (GSA)

GSA is a .NET application and needs the **.NET framework 3.5** which is available from Microsoft for all actual Windows versions.

4.2 Support

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



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

5.2 Anomalies

Version	Date	Description
0.0.0		No anomalies reported yet.

Table 5.2: Product anomalies

5.3 Document Revision History

Version	Date	Document Revision
0	20130513	First draft
1	20130531	First release
2	20130605	Minor changes in format

Table 5.3: Revision history

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