ToF - Flash

Time-of-Flight Range Extender

The ToF - Flash is a new external IR illumination unit for depth sensors operating on the Time-of-Flight (ToF) principle such as the Sentis^{ToF} - M100 and Argos^{3D} - P100 from Bluetechnix.

This smart illumination extender features 12 high power IR LEDs for a range increase of up to 10 m indoors and 3 m outdoors.

With a field of view of 90° and a size of only 80 x 80 x 75 mm, this IR illumination unit can be used to boost the range and accuracy of next generation sensor systems in various application fields like robotics, gesture recognition, HMI or people counting.

80 mm

80 mm

Supported Products

»   **Argos^{3D} - P100**
    »   160 x 120 pixel
    »   Up to 160 fps *
    »   SDK
    »   USB

»   **Sentis^{ToF} - M100**
    »   160 x 120 pixel
    »   Up to 40 fps*
    »   Dual Core DSP
    »   ETH / RS485 / RS232

Highlights

»   **Active IR Illumination for ToF technology**
»   **12 High Power LEDs 850 nm**
»   **Up to 10m range increase ***
»   **Field-of-View 90°**
»   **Sync Interface (LVDS)**
»   **Temperature Sensor for Compensation and Protection**
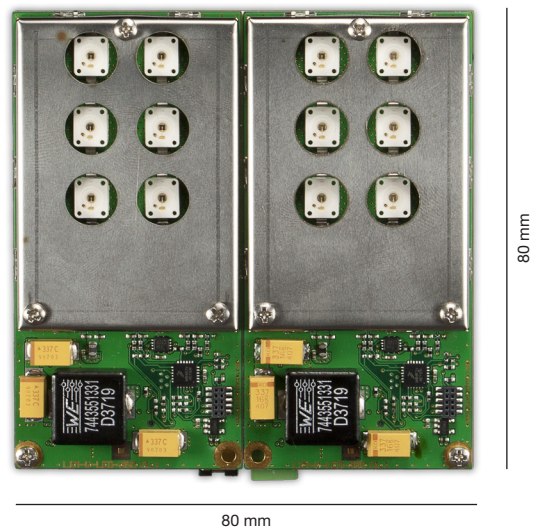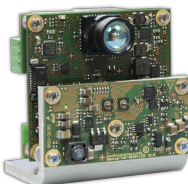»   **80 x 80 x 80 mm without housing**

ToF - Flash

Time-of-Flight Range Extender

Feature Overview

Range	up to 10 m [*]
LED	12 (850 nm)
Modulation Frequency	up to 30 MHz
Power Supply	24 V_{DC} @ 2 A
Sync Interface	1 x BLT Sync
Cooling	Active
Temperature Range	Industrial -40 to +85 °C
Supported Depth Sensors	Argos[3D] - P100 Sentis[ToF] - M100
Dimensions	W 80 x H 80 x D 75mm

[*] FPS & Range depends on integration time, ambient temperature and software configuration

In the box

» **ToF - Flasher**
» **Sync Cable**
» **Power Adapter**
» **Documentation**

Ordering Information

Order No.	Info
150-2010-1	ToF - Flash Argos/Sentis Range Extender