

# Argos®<sup>3D</sup> - P100

Time-of-Flight Smart Camera



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The Argos3D - P100 is a new 3D camera, developed by Bluetechnix, operating on the Time-of-Flight (ToF) principle. The Argos3D - P100 is equipped with a PMD PhotonICS® 19k-S3 Time-of-Flight 3D chip.

This smart 3D camera delivers depth information and gray value image data for each pixel simultaneously. Therefore, it's possible to analyze scenes based on 3D data only or in combination with 2D grayscale data.

Using active IR illumination, the sensor is able to capture 3D and 2D information at a resolution of 160x120 pixels with up to 160\* frames per second independently of ambient light. With a range of 3m, a field of view of 90° and a size of only 75 x 57 x 26 mm, this USB camera can be used for next generation sensor systems in various application fields like robotics, gesture recognition, HMI or people counting.

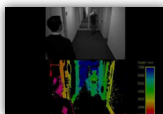


pmd  
intelligence

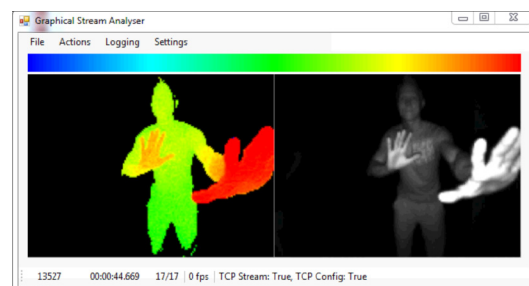
## Highlights

- » 3D depth sensor PMD ToF technology
- » Real-time capture of distance and grayscale information
- » 160 x 120 pixel
- » Up to 160fps\*
- » USB 2.0
- » GenICam™ standard
- » Active IR lightning 850nm
- » Field-of-View 90°

## Application Areas



- » Robotics & Industry
- » Medical
- » Telematics
- » Security & Surveillance
- » R&D
- » Universities



Argos<sup>3D</sup> - P100 distance and grayscale information

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## Feature Overview

<b>3D TECHNOLOGY</b>	PMD ToF
<b>PIXEL</b>	160 x 120
<b>FPS</b>	up to 160*
<b>POWER SUPPLY</b>	5V <sub>DC</sub> @ 2.6A
<b>USB 2.0</b>	1 x Device
<b>LED SYNC</b>	1
<b>TEMPERATURE RANGE</b>	Commercial 0 to +70 °C
<b>SUPPORTED STANDARD</b>	GenICam™ standard
<b>SUPPORTED OS</b>	Windows XP/7 (32/64bit) Linux
<b>TRIPOD MOUNT</b>	1 x 1/4"
<b>DIMENSIONS</b>	B75 x H57 x T27mm W2.95" x H2.44" D1.06"

\*160fps @ 100µs integration time and 25°C ambient temperature



## In the box

- » Argos<sup>3D</sup> - P100
- » USB Cable
- » Tripod
- » Power Adapter
- » Documentation

Further information on  
[www.bluetechnix.com/goto/argos3d-p100](http://www.bluetechnix.com/goto/argos3d-p100)

## Ordering Information

Order No.	Info
150-2001-1	Argos <sup>3D</sup> - P100 Time-of-Flight smart camera

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