

TOFcam-660

High performance TOF camera

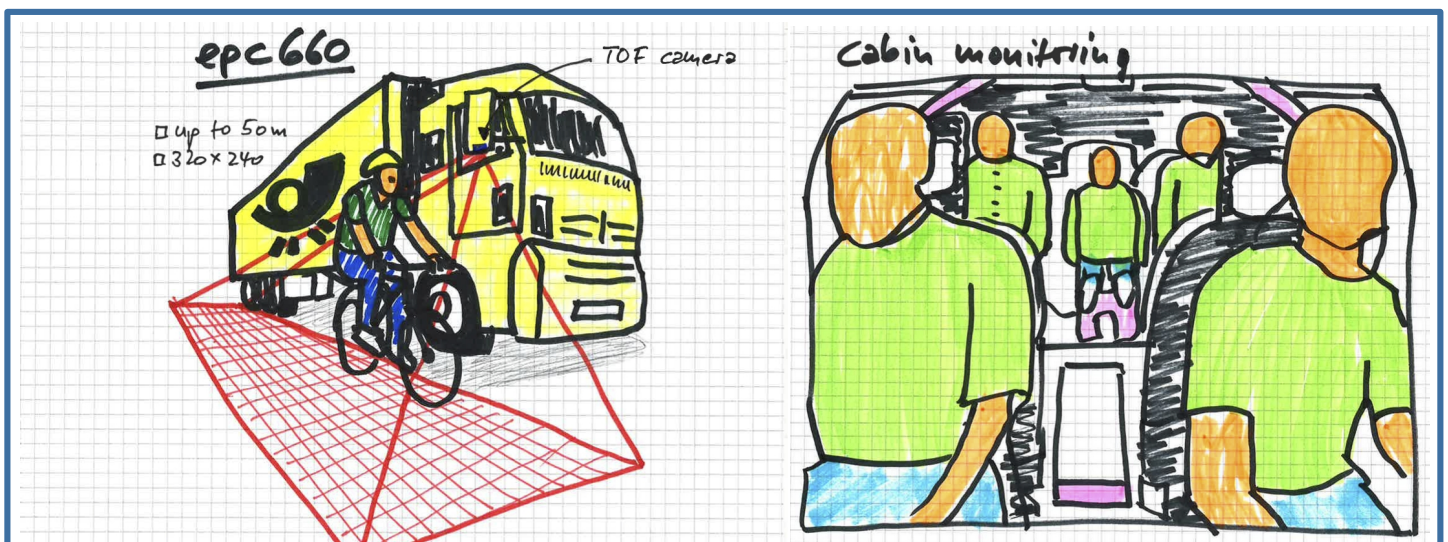
FEATURES

- ✓ up to 30 fps
- ✓ up to 80 m range
- ✓ Up to 100 kLux sunlight
- ✓ Customized versions possible
- ✓ Calibrated and compensated
- ✓ Ethernet Interface

FUNCTIONAL DESCRIPTION

The TOFcam-660 is a cost optimized 3D camera. It is based on the ESPROS proprietary time-of-flight technology using the epc660 TOF flagship chip. The camera controls the illumination and the imager chip to obtain distance and grayscale images. The depth images are compensated against ambient light, temperature and reflectivity of the scene. Thanks to the high performance of the imager chip with the unique ambient light suppression, the camera can be used in many cases under full sunlight condition. The TOFcam-660 outputs depth and grayscale images - allowing a variety of new applications, e.g. for mobile robotics. This module brings you right in front with the latest technology of 3D depth sensing. All the complex engineering and time consuming design tasks regarding optics, illumination and signal processing are already solved.

APPLICATIONS



SPECIFICATIONS



Resolution
320 x 240 pixel (QVGA)



Temperature Range
-20 ... +60°C



Data Output
Distance data in mm
Confidence data
Grayscale data



Field of View
108° x 77° ⁽¹⁾
70° x 51° ⁽²⁾
31° x 24° ⁽³⁾



Ambient light
100 kLux on target
(performance reduced)



Frame Rate
up to 30 fps



Range
10 m @ 18% reflectivity ⁽¹⁾
25 m @ 18% reflectivity ⁽²⁾
80 m @ 18% reflectivity ⁽³⁾



Power Consumption
Approx. 20 W, depending on
operation mode



Various
customized option
customized illumination

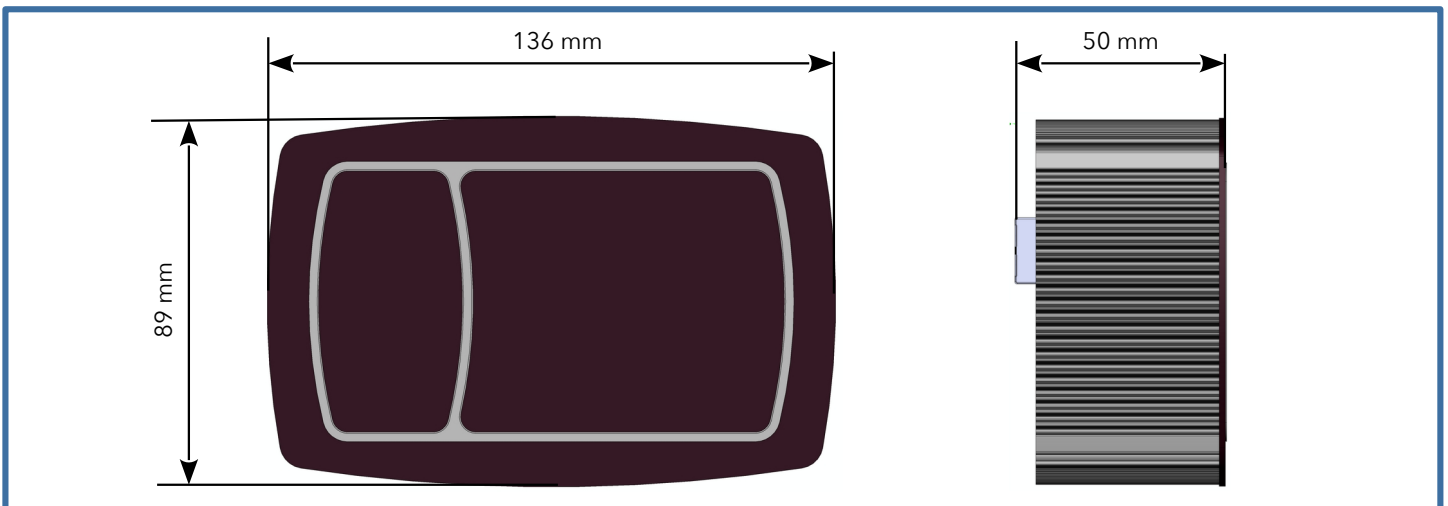


Accuracy
±4 cm (0.1 ... 2 m)
±2% (2 m ... max. distance)



Interface
Ethernet
RJ45 / HDI connector

MECHANICAL DIMENSIONS



ORDER INFORMATION

| Name: | Part No: | Name: | Part No: |
|----------------------------------|----------|---------------------------|----------|
| TOFcam-660-NF-940 ⁽³⁾ | P100 654 | Power adapter cable | P100 609 |
| TOFcam-660-SF-940 ⁽²⁾ | P100 655 | Power supply 24 V / 2.5 A | P100 282 |
| TOFcam-660-WF-940 ⁽¹⁾ | P100 656 | Patch cable RJ45 (200 mm) | P300 780 |
| Adapter RJ45 to USB | P300 781 | Power cord 2 pole EU plug | P100 284 |
| | | Power cord adapter EU-US | P300 189 |

CONTACT INFORMATION

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