

TOF>cam 660

QVGA 3D Camera

FEATURES

- ✓ Low cost
- ✓ Eye safe
- ✓ Up to 100k Lux sunlight suppression
- ✓ Easy to use
- ✓ Customized versions possible
- ✓ Calibrated and compensated
- ✓ Ethernet Interface

FUNCTIONAL DESCRIPTION

The TOF>cam 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 TOF>cam 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

Gesture Recognition



In-cabin Monitoring



Humanoid and Household Robots



Doors and Gates



People Counting



Industrial Automated Guided Vehicles



SPECIFICATIONS



Accuracy

±4cm (0.1 - 2m)
±2% (1m - max. distance)



Field of View

108° x 77° ⁽¹⁾
31° x 24° ⁽²⁾



Ambient light

100 kLux on target
(performance reduced)



Temperature Range

-20 - +60°C



Range

5m @ 18% reflectivity ⁽¹⁾
30m @ 18% reflectivity ⁽²⁾



Data Output

Distance data in mm
Confidence data
Grayscale data



Interface

Gigabit -Ethernet
RJ45 / HDI connector



Resolution

320 x 240 Pixel (QVGA)



Frame Rate

up to 40fps



Power Consumption

Approx. 5W, depending on
operation mode



Various

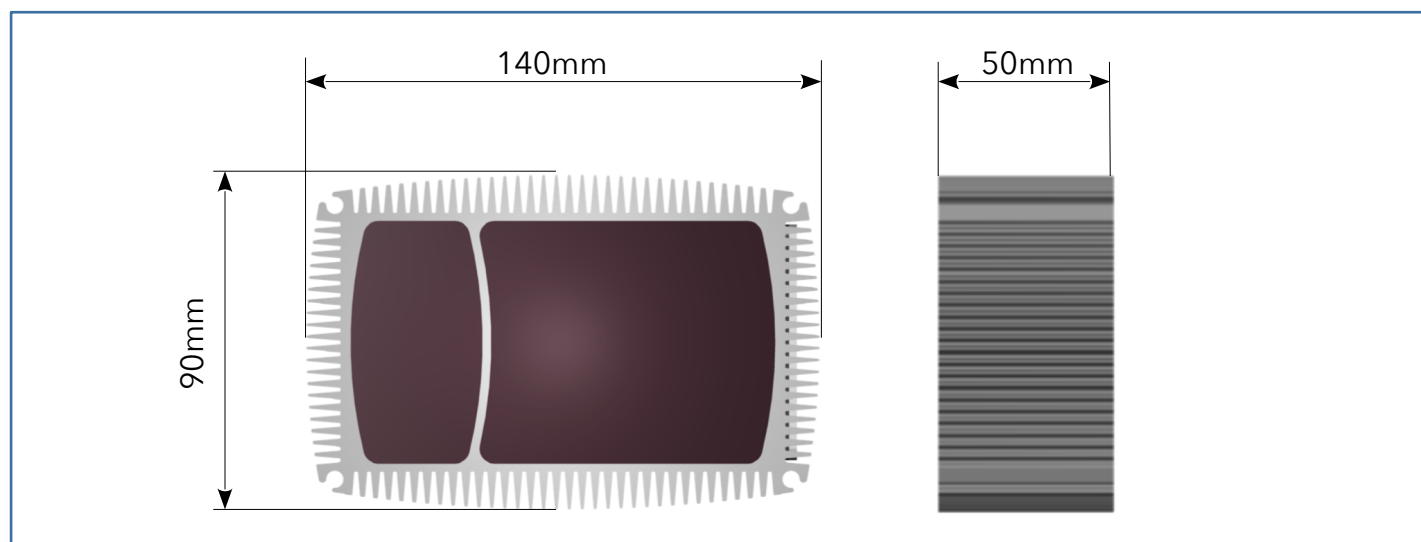
customized option
customized illumination



Dimensions

L x W x D = 140 x 90 x 50mm

MECHANICAL DIMENSIONS



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