



## TERABEE

### 3Dcam 80x60

The compact and affordable  
**3D Time-of-Flight camera**  
for depth sensing applications

## Build depth applications

Enable the third dimension with an 80x60 pixel resolution and 74° x 57° Field of View. The 3D Time-of-Flight camera benefits from a robust aluminium casing while still offering a compact (83 grams) and discreet design. It is easy to set up and to stream depth data via USB on Windows or Linux OS. An SDK and OpenNI code library is available to kick-start your application development.



Object & people  
counting



Occupancy  
monitoring



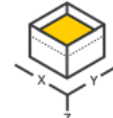
Fall detection



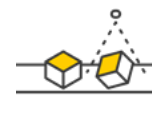
Hand gesture  
recognition



Stock level  
monitoring



Object  
classification



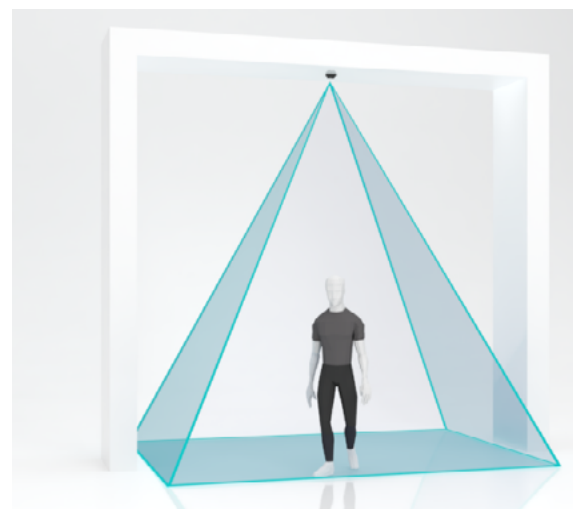
Object position  
detection



Robotics  
navigation

## Key features

- Time-of-Flight technology
- 80 x 60 pixels depth image
- Large detection area (74° x 57°)
- Compact & lightweight design, only 83 grams with aluminum casing
- Comes with an SDK supporting Windows and Linux OS
- Compatible with OpenNI, C/C++, Python, ROS
- Privacy protected, non-intrusive data collection



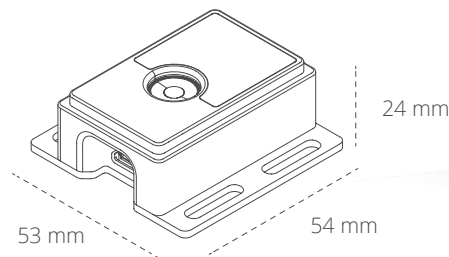
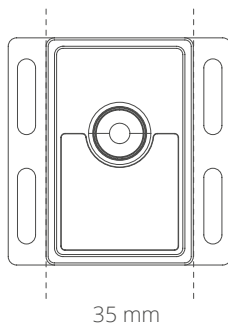
## Technical specifications

Part Number	TB-3DCAM-8060-USB
Technology	Infrared Time-of-Flight
Resolution	80 x 60 pixels
Range	Close range mode: 0.2m to 1.2m; Standard mode: 1m to 4m
Field-of-View (H x V)	74° x 57°
Frame Rate	30 fps
Depth Resolution	1% of distance
Supply Voltage	5V DC (USB powered)
Power Consumption	4W
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Interfaces	USB 2.0 Micro-B
Weight	83g
Dimensions	54 x 53 x 24 mm
Use Enviroment	Indoors
Supporting OS	Windows, Linux
Software	Terabee SDK (OpenNI 1.5/2.2 based), C/C++ samples, Python samples, ROS package
Conformity	CE; RoHS

Back panel mounting  
for discreet installations

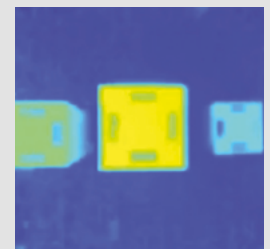
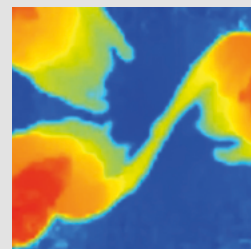
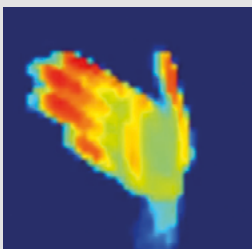


Front panel mounting  
for rapid prototyping projects



## Time-of-Flight advantages

By using active Time-of-Flight technology to sense depth, the 3D camera collects non-intrusive depth image data, meaning that personal identity can never be captured. And, since the camera does not require ambient illumination for optimal performance, it is suitable for applications in low light or complete darkness.



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