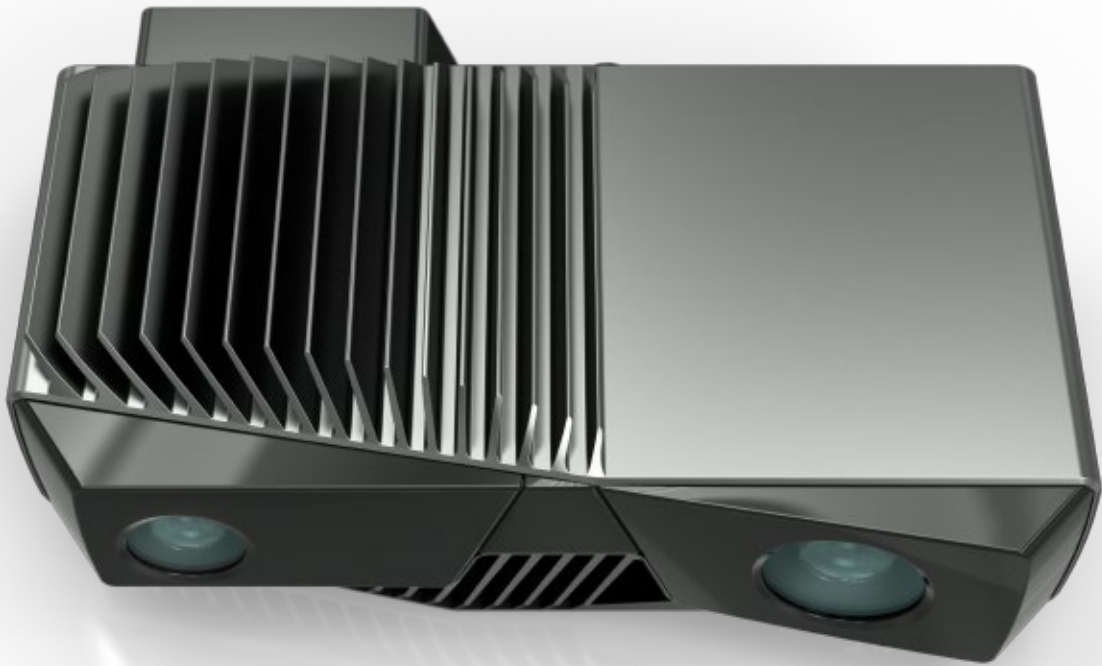


# ZiVID

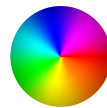
Zivid is the world's most accurate  
real-time 3D color camera

**DEFINING THE FUTURE OF 3D MACHINE VISION**



#### **3D IMAGING WITHOUT COMPROMISES**

Excellent data quality in HD at 10Hz with depth resolution of 0.1 mm. No compromises between speed and resolution.



#### **FULL COLOR**

Point cloud data (XYZ) and vivid RGB colors captured with the same sensor chip. One-to-one correspondence between color and depth.



#### **HANDLES ANY MATERIAL**

Captures high quality 3D images of even the most problematic industrial objects. Shiny metallic, black and absorbing or partly translucent.



#### **EASE OF USE**

Factory calibrated, easy and intuitive to use. Comes with interfaces for machine vision software and APIs for all major programming languages.





AIR-TIGHT AND INTELLIGENT COOLING



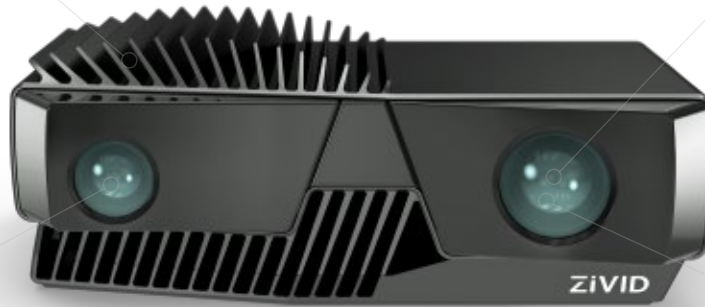
FULL RGB 3D COLOR CAMERA



ACTIVE LIGHTING FOR TEXTURE-LESS OBJECTS



HIGH DYNAMIC RANGE RAPID ELECTRONIC IRIS



# 0.1mm

RESOLUTION

# 10Hz

ACQUISITION RATE

# 3D + RGB

OUTPUT

# HDR

IMAGING

**OUTPUT**

2.3 Mpixel 3D RGBD image (X,Y,Z and R,G,B for each pixel)

**HOUSING**

Rugged aluminum  
Dust & water resistant

**ACQUISITION RATE**

≥10 Hz  
100ms snapshots

**DIMENSION**

226 x 165 x 86 mm

**FIELD OF VIEW**

780 x 490 mm @ 1.1m  
425 x 267 mm @ 0.6m

**WEIGHT**

2 kg

**OPTIMAL WORKING DISTANCE**

0.6 - 1.1m

**INPUT VOLTAGE**

24VDC

**DEPTH RESOLUTION**

0.1mm @ 0.6m

**INTERFACES & CONNECTORS**

USB 3.0: Data I/O  
M12-5: Power + Status  
M12-8: Sync In + Sync Out

**SOFTWARE APIS**

C++, C#, .NET, Python, MATLAB

**AVAILABLE USB 3.0 CABLES**

3m, 5m, 10m, 25m

**OS**

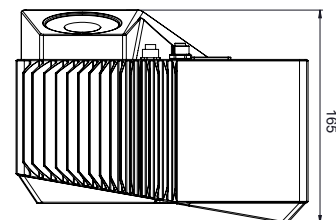
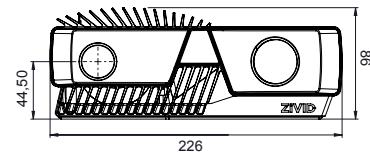
Windows 7 / 8 / 10

**PC REQUIREMENTS**

DirectX 11 compatible graphics card

**APPLICATION AREAS**

- Object recognition & classification
- Pick & place
- In-line quality control
- Kitting and robotic assembly operations
- Automatic processing of food products
- Research & development



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