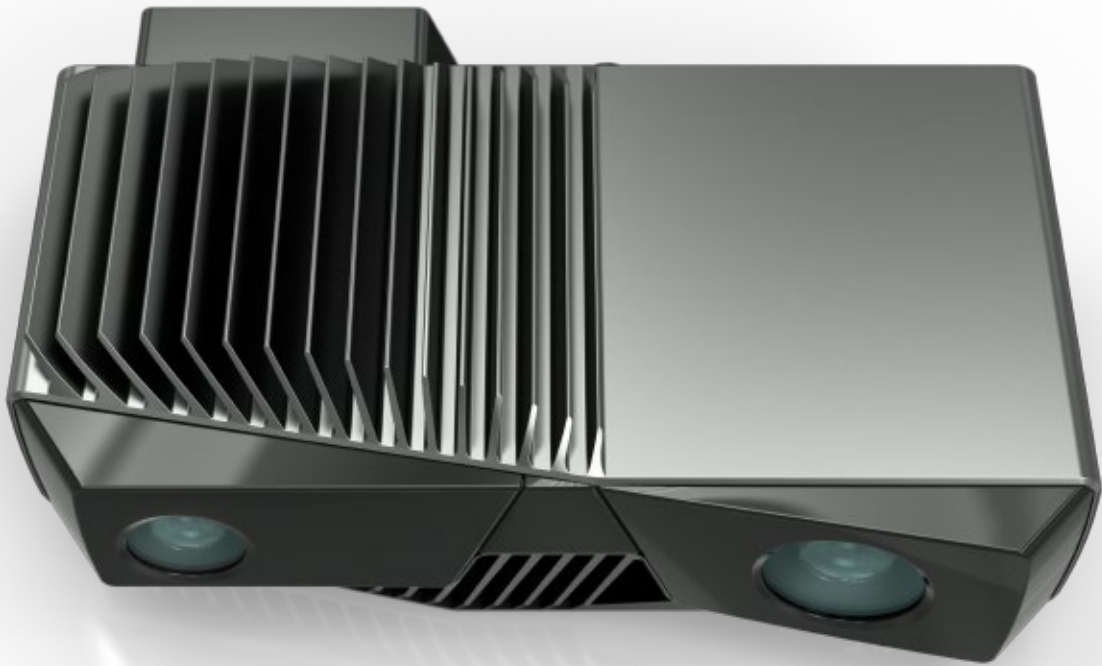


ZiVID

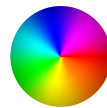
Zivid is the world's most accurate
real-time 3D color camera

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



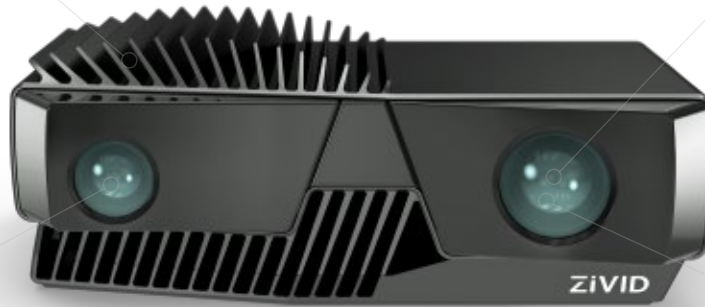
FULL RGB 3D COLOR CAMERA



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

