Zivid 2+

3D machine vision camera

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Making the impossible possible with Zivid 2+

Capture true-to-reality point clouds and images at high speed on transparent plastic, highly polished cylinders and the darkest reflective parts.

Zivid 2+ is a family of 3D cameras that bring new possibilities across the full application spectrum.

Crafted specifically for industrial environments, the Zivid 2+ camera deliver state-of-the-art performance with unwavering reliability.

Omni Engine

3D HDR capture technology

5 MPx

HD full-color image sensor

Unified 3D+2D

2-in-1 imaging

High speed

100 ms to 1 sec

Compact design

169 x 122 x 56 mm
945 grams

Reliable operation

15 G shock
5 G vibration

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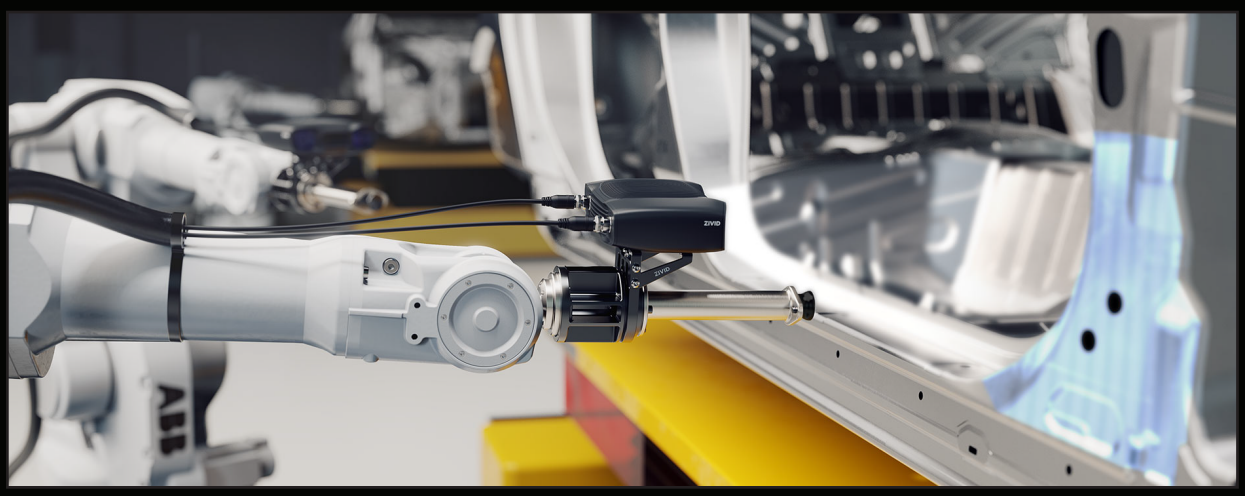

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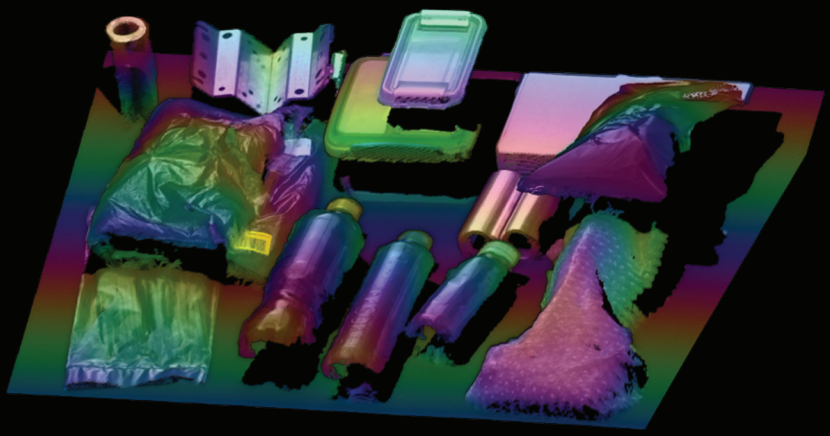
Next generation 3D technology

Objects made of transparent, absorptive, and specular materials comprise a significant part of the inventory in e-commerce fulfillment centers and manufacturing sites.

The Zivid 2+ pushes the boundaries and redefines what's possible with temporal structured light - enabling you to capture clean and complete point clouds of all your objects with Zivid's Omni Engine technology.

Capture point clouds

of everything



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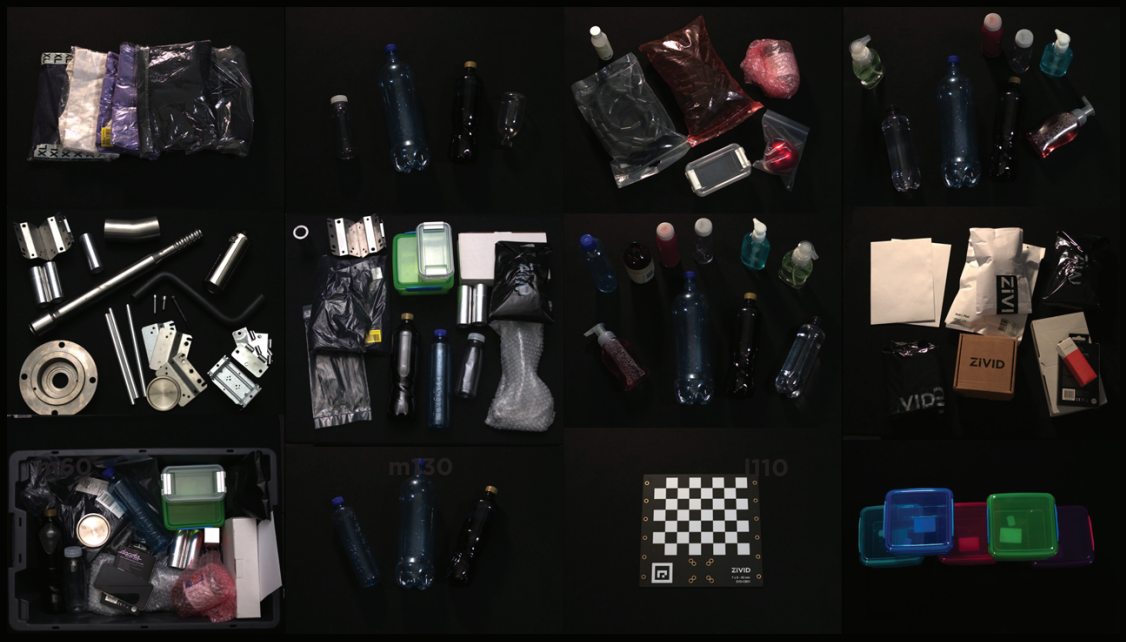

Point clouds of challenging objects in manufacturing, logistics, and eCommerce captured with Zivid 2+

You can discover everything when you run the point clouds through a standard 2D-based AI segmentation algorithm.

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High-performance industrial 3D

3D + 2D Unified

Emergent AI techniques are fundamentally changing the world of automation by training the AI on 3D in addition to 2D data. Zivid 2+ makes this real by providing the RGB data, 3D data, surface normals, depth map, and SNR **with a one-to-one pixel correspondence** - all acquired in the same capture.

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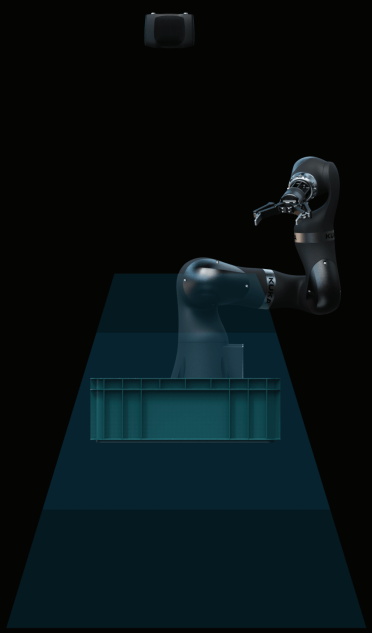
The need for speed

Capture your scene with 60dB 3D Dynamic Range in 100ms, or unleash the next generation 3D technology which boasts an incredible 82dB Dynamic Range in one go - allowing you to **see everything in one point cloud**.

Truly industrial for robot applications

Zivid 2+ is engineered to endure the reality of industrial environments, resilient against mechanical shocks (15G) and vibrations (5G), temperature changes, and ambient light.

By combining ruggedness and compactness, Zivid 2+ is an excellent choice for **both stationary and robot-mounted applications**.



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Zivid 2+

	M60	M130	L110
Key Applications	Assembly Inspection	Piece picking Bin Picking	Bin-picking Robot-mounted depalletization
Focus Distance (mm)	600	1300	1100
Recommended Working Distance (mm)	300 to 1100	800 to 2000	700 to 1700
Field of view (mm) at focus distance	570 x 460 at 600	790 X 650 at 1300	1090 x 850 at 1100
Spatial resolution (mm)	0.24 at 600	0.32 at 1300	0.44 at 1100
Point Precision	60 µm	210 µm	190 µm
Dimension trueness error	< 0.25 %	< 0.35 %	< 0.40 %
Technology	Structured light 3D technology		
Resolution	5.0 MPx 3D with native 2D color		
Dimension & weight	169 x 124 x 56 mm 1000 g		
Environmental	IP65 Water and dust proof 0 - 40 °C operating temperature 5G shock 15G vibration		

Specifications are subject to change without notice.

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