



In partnership with:



Make perception your advantage

Intel® RealSense™ Stereo depth technology brings 3D to devices and machines that only see 2D today.

Stereo image sensing technologies use two cameras to calculate depth and enable devices to see, understand, interact with, and learn from their environment — powering intuitive, natural interaction and immersion.

Depth driven robotics

Lightweight, low power and easy-to-use depth cameras that give robots the ability to navigate landscapes, avoid obstacles and recognise objects, people and more.



Articulated Robots



Mobile Robots



Humanoid Robots



Interactive AI Display



Animated Virtual Assistant

Vision for digital signage

Digital screens are transformed by the ability to engage – from digital signs to interactive learning or virtual assistants, touchless interactions are powered by Intel RealSense depth cameras.

Stereo depth solutions

Designed for easy setup and portability, Intel® RealSense™ D400 series cameras feature high depth resolution and include active infrared (IR) stereo with standard or wide field of view. For high-precision applications, choose the D415 with rolling shutter. If your application is fast-moving or outdoors, select either the D435 or D435i camera which feature a global shutter. For longer range applications, the D455 features wide field of view and global shutter on the depth and RGB sensors.

Depth Camera Module D421



The D421 is the first all-in-one module integrating the D4 Vision Processor with the optical module on the same board. The Intel RealSense vision processor D4 does all depth calculations onboard, making this a low power, platform-agnostic device.

Depth Camera D405



Modern manufacturing need advanced technology for automation and efficiency. With defect detection accuracy as good as 0.1mm, the D405 enables automated inspections you can trust, as well as high precision pick and place for small objects at close range to keep business moving.

Depth Camera D415



When accuracy is the most important factor for you, this is the perfect choice. The D415 has a tightly focused field of view, which offers higher quality depth per degree. Featuring an integrated RGB sensor, the D415 is perfect for facial authentication, 3D scanning or volumetric capture.

Depth Camera D435f



The Intel® RealSense™ Depth Camera D435f expands our portfolio targeting the growing market of autonomous mobile robots. The D435f utilizes an IR pass filter to enhance depth noise quality and performance range in many robotic environments.