

RAiV

Smart Eyes for Robots & Machines



All-in-One 3D Vision Solution for Robotics & Automation

RAiV is an excellent vision solution for robotics & automation. Its edge-AI SOC with the cutting-edge 3D vision enables depth sensing, object detection, and spatial mapping. The compact, rugged aluminum design ensures seamless industrial integration.



3D Measurement



**Industrial Solution
for Tough Problems**



**Object Detection
with 3D Position**



**Easy Integration
Quick Adaption**



**Open Source
Python SDK**



**No External
Hardware**

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What is it?

RAiV is a smart stereo camera which combines **3D vision** with powerful onboard processors. It delivers depth sensing, object detection, heading estimation with open source software for robotics & automation applications.

RAiV integrates a pair of high-resolution imaging sensors, 6 DoF IMU, octa-core CPU, and a Google Edge TPU, providing immense processing power for 3D vision projects.

How is it used?

Sample images are captured by using the web interface of the RAiV and downloaded to a PC for AI model training. The AI is trained according to the model specifications. Then, the trained model is then uploaded to RAiV.

The sample images, used in training, should include all possible examples of the classes to be detected. This allows the AI model to evaluate and classify, even if the appearance of the objects changes slightly.

 python code can be used for custom application implementation.

Technical Info

