

ArgosVision

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major business	Ultra-wide 3D Vision Sensor		

3D Vision Sensor with a Human-like Wide Field of View. ArgosVision is the developer of ArgosVue, a 3D vision sensor with a human-like wide field of view. Specifically designed for smart robots and mobility applications, our mission is to collaborate with partner companies, empowering them to build more versatile systems by utilizing our human-like wide computer vision technology.

Products



ArgosVue Developer Kit

- Use** Intelligent Robot R&D
- Description** RGB-D video and point cloud for a view range of 240x160 degrees
Intelligent 3D sensor equipped with an embedded AI processor
ROS(Robot OS) support



ArgosVue DAR

- Use** Autonomous Navigation of Robots and Mobility
- Description** Panoramic Pseudo-LiDAR
3D sensor for autonomous navigation of robots and mobility
Detection of surrounding obstacles and cliffs with a single module



ArgosVue AIoT

- Use** Human Safety and Healthcare
- Description** Human recognition without blind spots
Full-height human recognition at arm's length
Intelligent camera equipped with an embedded AI processor

Technical Capacity

» Ultra-wide 3D Depth Camera

Vertically arranged fisheye stereo camera
FOV of 270 degrees horizontally and 160 degrees vertically

» Spherical Stereo Matching

Real-time stereo matching without compromising of FOV by mapping fisheye images to spheres

» Ultra-wide computer vision

Object detection and pose estimation from ultra-wide images
Detection of nearby objects using wide FOV