

ULTRA-WIDE 3D VISION SENSOR
FOR ROBOTS AND MOBILITY

ArgosVue Developer Kit

Panoramic 3D Vision Sensor
With a Human-like Field of View

| | |
|-----------------------|-----------------------|
| Technology | Fisheye Stereo Camera |
| Field of View | 240° x 160° |
| Resolution | 1,200 x 800 |
| Frame Rate | 20Hz |
| Effective Depth Range | 0.2m ~ 8m |



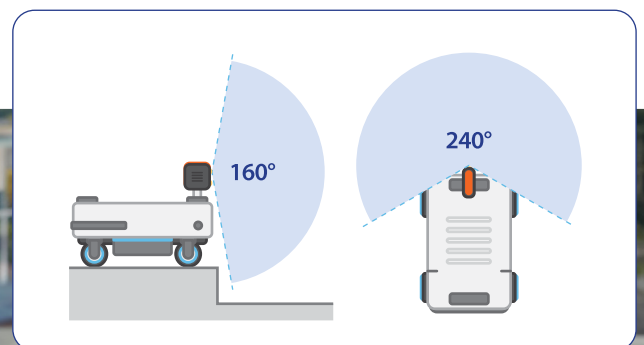
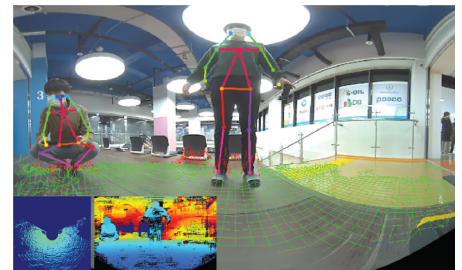
Ultra-Wide 3D Vision Sensor for Autonomous Driving and Human-Robot Interaction

An autonomous driving sensor for robots and mobility improved beyond LiDAR

It provides a wider vertical field of view and higher resolution imagery than LiDAR. Through this, it can easily recognize people and objects located in the front and on the sides of the robots and mobility.

Innovative Human-Robot Interaction

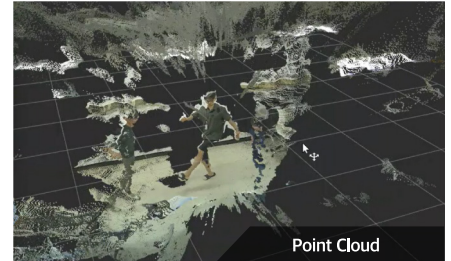
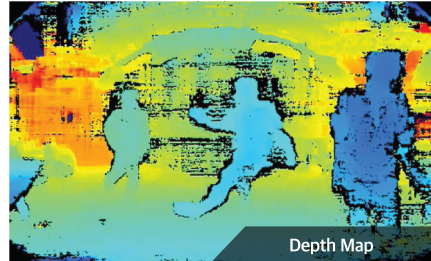
It can see the entire of a human being both full height and spread arms within 0.5 meter. It can detect people and recognize their behavior with an embedded AI processor.



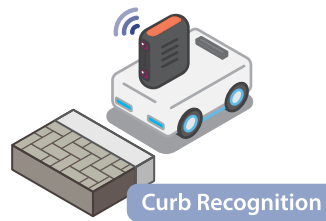
Ultra-Wide Computer Vision Solutions

Autonomous Driving Solutions for Smart Robots

ArgosVue provides point cloud as well as depth map for an ultra-wide field of view up to 240°x160°

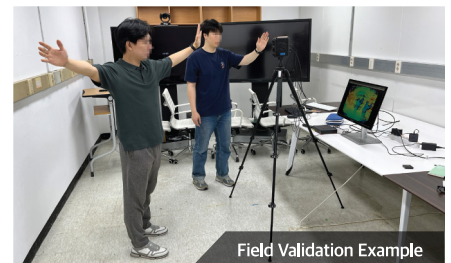
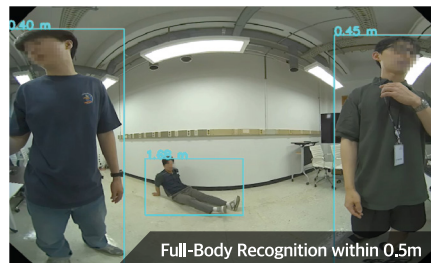
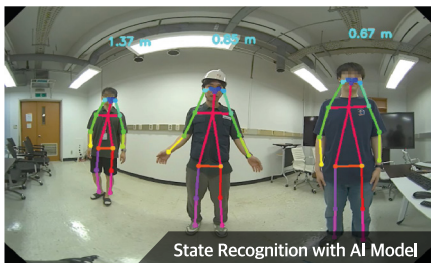


ArgosVue can recognize road surface as well as surrounding obstacles.



Human Recognition at Arm's Length

ArgosVue can recognize the entire body of a human being within 0.5 meter.



ROS (Robot OS) Support for Fast Deployment

ArgosVue is available in ROS as a node that publishes its data to topics.



Applications



Smart Mobility



Smart Robot



Smart Factory



Smart Surveillance



Smart Retail



Smart City