ULTRA-WIDE 3D DEPTH CAMERA
FOR ROBOTS AND MOBILITY

ArgosVue DAR

Ultra-wide 3D Vision Sensor
For Robots and Mobility

Technology	Fisheye Stereo Camera
Field of View	200° x 160°
Resolution	1,200 x 800
Frame Rate	20Hz
Effective Depth Range	0.2m ~ 9m

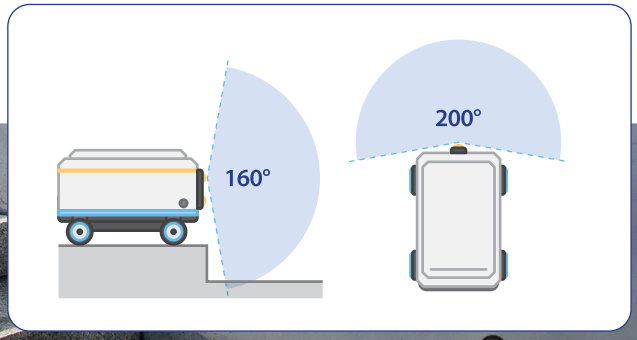
3D Vision Sensor for Autonomous Driving Robots and Mobility

ArgosVue DAR provides exceptional high-resolution camera imagery through a single unit

Along with this, it offers a wide horizontal field of view similar to LiDAR, providing diverse information for robotic systems. The high-resolution imagery obtained from this wide-angle perspective enhances the scope of AI model applications, playing a crucial role in supporting autonomous driving for robots and mobility solutions

Wider Horizontal and Vertical Vision for Improved Perception

ArgosVue DAR provides a wide horizontal and vertical field of view, enabling the robot to accurately detect objects not only approaching from the front but also from the sides. This helps the robot better understand its surrounding and identify potential risks like obstacles, stairs, and cliffs on its path, improving autonomous driving safety.



ARGOSVISION

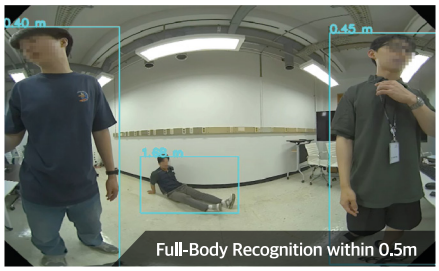
Wider-Angle 3D Vision Sensor for Human-Robot Interaction

The Best Choice for Human-Robot Interaction

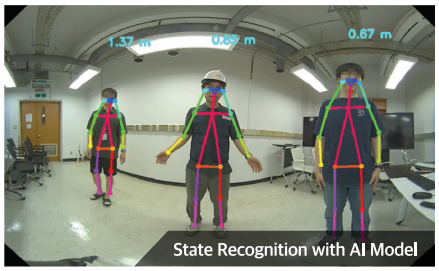
As the interaction between humans and robots increases, robots need to have a more detailed perception of humans. ArgosVue DAR is a sensor that aligns with this technological trend. With its wide field of view, it can recognize the entire body of a person within 0.5 meters.

State Recognition through AI Models

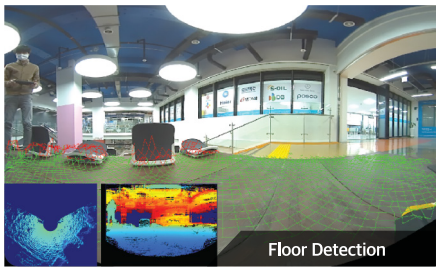
It is better suited as a sensor for detecting people, providing higher resolution images compared to LiDAR.



Full-Body Recognition within 0.5m



State Recognition with AI Model


Floor Detection

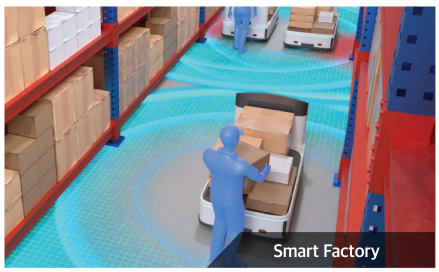
Ultra-wide 3D depth camera module for autonomous mobility

Enhanced choice for autonomous mobility

Autonomous mobility plays a pivotal role in our daily lives as an innovative technology. ArgosVue DAR, designed as a compact module, can be easily installed in various mobility platforms. Thus, it finds applications not only in robots but also in micro-mobility vehicles, autonomous cars, drones, and more.

Improving performance and safety through cameras

Offering the required broad field of view for autonomous navigation through a single module, ArgosVue DAR contributes to improved autonomous driving performance and safety. By providing stable data within an integrated system, it enhances both performance and safety aspects of autonomous mobility.


Smart Factory


Smart Mobility


Ground Robot

Applications

Smart Factory | Smart Retail | Smart Mobility | Smart Surveillance | Smart Robot | Smart City

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