

# STEREOVIS M25 - AI-Powered 3D Vision with Pose Output

Pose-Ready 3D Vision Sensor – Powered via VC02

## Overview

The Stereovis M25 is a next-generation 3D vision sensor that provides precision depth capture and pose estimation. It is designed to be paired with the VC02 processing unit, which delivers coordinate transformation and robot-ready pose output through the official SDK. With no internal computing onboard, the M25 is ideal for systems that require external control integration and centralized processing.

## Key Features

- Direct pose output – real-time 3D coordinate transformation via VC02
- Robot-ready – streams structured pose data to motion control systems
- ✂ Low-latency response for dynamic automation environments
- Compact and rugged (IP65) sensor enclosure
- Industrial Gigabit Ethernet connectivity
- Works with Windows, Linux, and ROS platforms
- SDK in C++ / C# / Python – requires VC02 controller
- No onboard compute – processing done via external unit

## Technical Specifications

Parameter	Value
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Compute Platform	Processed via VC02 unit (external compute)
Functionality	3D image acquisition + pose output

Dimensions (W×H×D)	143 × 58 × 80 mm
Power Supply	24V / 5A
Enclosure Rating	IP65 / IEC60529 standard
Operating Temperature	-10°C to +50°C
Interface	Gigabit Ethernet (RJ45)
Weight	550 g
Operating System Support	Windows, Ubuntu, ROS
SDK Languages	C++, C#, Python

## Ideal Use Cases

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- AMRs – localization and mapping with centralized control
- Robotic bin picking – external pose estimation integration
- Flexible automation – shifting part alignment without local vision
- Markerless workcells – real-time spatial awareness from VC02
- Logistics – picking, measuring, tracking via pose feedback
- Inspection – orientation-sensitive part checks using pose output
- Aerospace/auto – final alignment and fitting
- Cobot coordination – object awareness and tracking

## Why Choose This Product?

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- ✓ True pose output sensor – reduces vision stack complexity
- ✓ Centralized compute keeps vision logic outside the sensor
- ✓ Compatible with industry-standard robotics and SDKs
- ✓ Optimized for factory and automation ecosystems
- ✓ Part of the scalable Stereovis + VC02 system

## Included in the Box

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- STEREOVIS M25A or M25B sensor unit
- Industrial Ethernet and power cables
- Mounting guide and quick install sheet
- SDK and tools (requires VC02 connection)

## Contact & Support

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Stereovis – Precision. Speed. Simplicity.