

Category Award AI Computing & Tech

SIMATIC Robot Pick AI Pro

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Winning Reason

The SIMATIC Robot Pick AI PRO is a sophisticated 3D intelligent vision picking solution tailored for industrial robotics. The system's core advantage lies in its 'Model-free' AI technology, which enables robots to identify and pick various unknown, randomly stacked objects without the need for prior CAD modeling or sample training. Through an intuitive web-based interface, users can complete configurations and achieve effortless deployment—even without specialized AI expertise—while benefiting from integrated intelligent safety protection.

Product Feature

1. Model-free AI Bin Picking (No CAD file Required) Identifies graspable object positions directly from 3D depth maps through deep learning models, without the need for CAD or pre-trained models.
2. AI-driven 3D Vision Understanding Includes object boundary estimation, plane fitting, optimal grasp point ranking, and multi-model fusion.
3. Automated Grasping Strategy + Multi-Suction-Cup Selection Automatically selects the optimal suction method based on the object's material and shape.
4. Automatic Collision Avoidance Calculates poses and paths based on gripper geometry to prevent collisions.
5. Full-Process Support (Installation, Calibration, Logging) Provides complete engineering workflow including installation guidance, depth camera setup, Pick AI Studio interface, and error diagnostics

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