THE ROBOTICS VISION WITH ARTIFICIAL INTELLIGENCE

Advanced automation solutions with robotics and vision technologies

ROBOPICKER 3D

FOR 3D SURFACE INSPECTION, 3D PICK-PLACE AND BIN-PICKING, 3D MEASUREMENTS APPLICATIONS

ADVANCED IMAGING QUALITY

Excellent imaging quality with depth resolution down to 0.01 mm. The integrated multi-spectral textured light projector enables the system to work on all object types even with shiny metallic, dark, absorbing and translucent surfaces.

EMBEDDED 3D VISION PROCESSOR

Up to 75Hz 5 million 3D and 2D points per image in the range of UV-Visible-IR for high accuracy and high precise machine vision application requirements. The vision processor is able to work with 3D and 2D images in parallel to achieve highest accuracy and repeatability.

CUSTOMIZABLE USER INTERFACE

Integrated with newest PMS technology to offer customizable machine vision 2D and 3D inspection functions. The user can easily teach new objects, calibrate with integrated robot-ready interfaces and activate automated in-line inspection processing.

EASY SETUP WITH PLUG & AUOTMATE

Easy assembly and integration into existing robotics and automation systems. PMS offers industrial ease of use interfaces with common PLCs, robots, cobots, controllers and digital IO units. The system integrators can install, calibrate and run the system in less than an hour.

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ROBOPICKER 3D

PATENT PENDING ADAPTIVE-MULTILIGHT PROJECTOR

INTERFACE TO INDUSTRIAL ROBOTS | COBOTS | CONTROLLERS

MECHANICAL ADAPTER INTERFACE FOR EASE OF INSTALLATION

EASY TEACHING AND TRAINING OPERATION FOR NEW OBJECTS

EASY CALIBRATION PROCEDURE FOR VISION AND ROBOTIC SYSTEMS

ADVANCED 3D & 2D SURFACE INSPECTION ON ALL MATERIAL SURFACES

HIGH-SPEED AND HIGH-ACCURACY PICK & PLACE FOR ROBOTICS VISION

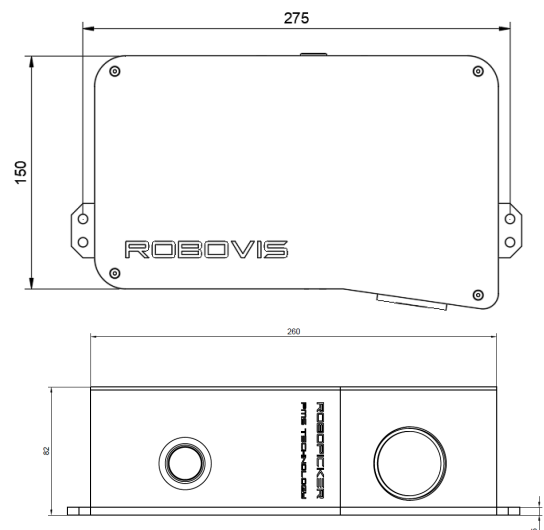CUTTING-EDGE 3D & 2D MEASUREMENT WITH CAD COMPARISON FUNCTION

Down to 0.01mm
DEPTH & DEFECT RESOLUTION

HDR Color
ADVANCED IMAGING

3D Point Cloud
TRACKER | IMAGE BASED REG.

Up to 75Hz
HIGH SPEED PROCESSING

PLATFORM	PMS 4.0
3D IMAGE RESOLUITON	5 Million 3D Points per Image
ACQUISITION RATE	75 Hz
FIELD OF VIEW	From Min.0.05m to Max.1.0m Adjustable based on request.
WORKING DISTANCE	From Min 0.2m to Max. 2.0m Adjustable based on request.
DEPTH RESOLUTION	Down to 0.01mm
SOFTWARE INTERFACE	PMS Dll for .NET C#, C++
OPERATING SYSTEM	Windows 7	8	10

PRODUCT ENCLOSURE	Industrial	Filtered and Cooled
DIMENSION	275 mm x 150 mm x 82 mm
INPUT VOLTAGE	12 V DC
INDUSTRIAL CONNECTORS	1 x USB 3.0 Power	IO	Trig	Data
INCLUDED CABLES	Power & Triggering Cable USB 3.0 High Speed Cable
PC REQUIREMENTS	PMS Industrial PC with GPU Accelerated Graphics Card

Applied Industries

Automotive

Electronics

Semiconductors

Packaging

Glass | Display

Aerospace

Food | Beverage

Pharmaceutical

Plastic

Ask for your application to our experts

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