

# SCAPE STATIONARY SCANNER P2 RECOGNITION™

## NEW INDUSTRIAL 3D SCANNER



- 3 different models designed for different working distances and resolutions
- Binocular 3D Scanner - Optimal for Bin-Picking tasks and other tasks where different view-angles are beneficial
- Scanner can handle up to 2 bins next to each other
- Fast and reliable scanning performance
- Easy installation and setup at a competitive price
- The scanner is dust and water proof (IP65) and the housing is designed for operation in Industrial Environment

## INDUSTRIAL 3D SCANNER FOR DEMANDING ROBOT & MACHINE VISION TASKS

The SCAPE Stationary Scanner P2 Recognition™ is a binocular scanner mounted above the bin(s), ideal for bin-picking tasks and tasks that benefit from multiple view angles. Compared to a robot-mounted scanner, the stationary scanner offers faster cycle times as it acquires data independently without involving the robot. In certain cases, it can handle two adjacent bins simultaneously.

**Working Principle:** The scanner projects different light patterns onto the scene and captures them using two cameras, creating a precise 3D point cloud of the object. Both the object and the 3D sensor remain stationary, enabling quick and highly accurate scanning.

The Stationary Scanner P2 is available in three sizes and suitable for different applications, depending on the size of the scanned object, scanning volume, and other aspects. All models generate up to 2.0 million points and utilize blue laser light. Equip your robot or machine with powerful 3D vision and allow it to see.

# GENERAL INFORMATION

## NEW INDUSTRIAL 3D SCANNER



- The Stationary Scanner P2 comes in 3 different sizes corresponding to 3 different scan volumes and resolutions.
- All models generate up to 2.0 M points and use blue laser light (447 nm).

Model	MTV-PRO-M (OP18-12)	MTV-PRO-L (OP18-13)	MTV-PRO LWR (OP18-14)
Working Range (Z-direction)	969-1573 mm	1326-2800 mm	1100-3500 mm
Field of View 1)	1332 x 1097 mm	2223 x 1907 mm	3500 x 3200 mm
Lateral Resolution (XY-plane)	0.820 mm	1.369 mm	2.155 mm
Min Surface Area for Scanning <sup>1</sup>	2.9 x 2.9 mm	4.8 x 4.8 mm	7.5 x 7.5 mm
Depth Uncertainty RMS Closest to/Furthest from Scanner	0.97/1.57 mm	1.3/2.8 mm	1.1/3.5 mm
Baseline	200 mm	400 mm	400 mm

1) At max. distance

### Stationary P2 Scanner Recognition™ Box Content

### Optional SCAPE Stationary Scanner Tower



- SCAPE Stationary P2 Scanner (MTV-PRO-M, MTV-PRO-L, or MTV-PRO LWR)
- Power Supply (100-240 VAC/50-60 Hz, 1.3 A, Output: 24VDC, 90 W) incl. 1.8 m cable to wall outlet and 6 m between power supply and scanner
- Ethernet cable RJ45/M12 X-coded 10 m (between SCAPE Controller PC and scanner)
- Shutters to prevent projected light outside bin(s) or scene



- The SCAPE Stationary Scanner Tower is an option for mounting the SCAPE Stationary Scanner above the bin(s).
- Please contact Scape for more information.