HP 3D Scan

HP 3D Structured Light Scanner Pro S3

3D scanning technology that brilliantly captures reality

In a matter of seconds, capture reality with HP's new 3D scan solution. Create precise 360° 3D models using mobile hardware with enhanced structured light scanning technology to enable productivity and creativity.

Digitize reality with exceptional precision
Enhanced structured light scanning technology captures the physical dimensions of an object—every corner, edge, blemish and perfection—and creates a digitized 360° 3D model with up to 0.05 mm resolution.

Fast scanning; seamless modeling
Simplify productivity by bridging the physical and digital with incredible speed. Capture individual scans in a matter of seconds[1] and seamlessly fuse them into 360° 3D models that are compatible with widely used 3D CAD programs and file types.

Flexible, scalable and highly mobile
Make what's real, digital – from a six-cylinder engine down to the bolts that hold it together. Additionally, accelerate the scan process and scale functionality with upgrades and optional accessories.

HP 3D HD Camera Pro and LED projector combination
Work in tandem to create unique structured light patterns. The HP 3D HD Camera Pro detects the patterns beamed out by the projector to generate 3D models of physical objects.

HP 3D Scan Software – Professional Edition v5
Intuitive, high-precision proprietary structured light scanning software that enhances scan results for objects with reflective surfaces and also supports dual-cameras for complete stereo vision.

Color texture
Capture 3D models in full color. Use the HP 3D Scan Software to measure the RGB properties of an object to create color textures that can be viewed or turned off with ease.

Compatible 3D file format output
Export 3D models in common file formats—such as OBJ, STL and PLY—that are compatible across a wide range of popular 3D CAD programs.

Aluminum rail and camera slider
Secure the camera to the aluminum rail. The slider allows for easy camera movement and angle adjustments based on the size of the object and distance from the scanner.

Tripod
Improve precision and stabilize the scanning components with this mobile, flexible solution. Easily move and position the scanner around objects to be scanned.

HP 3D Calibration Panels Pro

Calibrate the scanning software to capture objects of various sizes using the gridded panels to enable accurate and undistorted 3D data collection. The two panels come with four different grid patterns sized from 30mm to 240mm.

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Specifications

Weight	8.8 kg 19.36 lb
Dimensions	32.3 x 61.3 x 20.9 cm 12.71 x 24.13 x 8.22 in
Compatibility	HP 3D Scan products are compatible with most of the current HP Z-series Workstations (check the individual HP 3D Scan products QuickSpecs for minimum system requirements information). NOTE: Not all products of HP 3D Scan products are available in all regions.
System requirements	Windows® OS 3D graphics adapter Available VGA or HDMI port Two available USB ports Microsoft .NET Framework 4.6 (included on this flash drive) 1 free USB slot for SW license key Dongle
Included accessories	Industrial HD camera with high quality lens Video projector with special lens for large focal range USB Dongle with 3D Scan Software Pro v4 Sliding rail (Aluminum) Camera slider High quality tripod Calibration panels printed on both sides for multiple scan volumes Printed instructions All required adaptors, connecting cables and cable straps
Additional information	P/N: Y8C52AA
Warranty	2 Year limited warranty (2 years parts and 2 years labor)

Accessories (not included)

HP 3D Structured Light Scanner Pro S3 – Dual Camera Upgrade Kit[2]

Make your scanning solution more robust and enhance its quality with complete stereo vision. Attach an optional second HP 3D HD Camera Pro[2] to mitigate errors and produce higher-precision scans.

HP 3D Automatic Turntable Pro[3]

Achieve 360° 3D scans faster with this optional turntable that automatically rotates an object and captures each side and surface.

HP 3D Desk Scan Lever Pro[4]

Secure the scanner directly to a desk or work area with this optional mounting upgrade.

[1] A single scan speed varies depending on the object size and computer speed.
[2] HP 3D Structured Light Scanner Pro S3 – Dual Camera Upgrade Kit sold separately.
[3] HP 3D Automatic Turntable Pro sold separately.
[4] HP 3D Desk Scan Lever Pro sold separately.

Learn more at: hp.com/go/3dscan

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