

Overview

HP 3D Scan Solutions

Solutions

HP 3D Structured Light Scanner Pro S2

Part Number

Y8C53AA

HP 3D Structured Light Scanner Pro S3

Y8C52AA

Upgrades

HP 3D Dual Camera Upgrade Kit - Pro S2

Y8C55AA

HP 3D Dual Camera Upgrade Kit - Pro S3

Y8C54AA

Accessories

HP 3D Automatic Turntable Pro

Y8C56AA

HP 3D Desk Scan Lever Pro

Y8C57AA

Components

HP 3D Calibration Panels Pro

Y8C58AA

HP 3D HD Camera Pro

Y8C60AA

HP 3D Monochrome Camera Pro

Y8C59AA

Software

HP 3D Scan Software Pro v4

Y8C62AA

HP 3D Scan Software Pro v4 Enterprise

Y8C64AA

HP 3D Scan Software Pro v5

Y8C65AA

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.

Service and Support

The Limited Warranty Period for this HP Hardware Product is 2 years parts, 2 years labor.

Technical Specifications

Solutions

HP 3D Structured Light Scanner Pro S2 (Y8C53AA)



Components

- | | |
|--|--------------------------|
| 1. USB CMOS Monochrome Camera | 4. Aluminum sliding rail |
| 2. Video projector with special lens for large focal range | 5. Camera slider |
| 3. High quality triple jointed tripod | |

Technical Specifications

Specifications

Scansize	60-500 mm
Resolution/Precision	Up to 0,1% of scan size (down to 0,06 mm)
Scanning time	One single scan within a few seconds
Export formats	OBJ, STL, PLY
Required	<ul style="list-style-type: none">• Windows® OS• Two available USB ports• Microsoft .NET Framework 4.6 (included on this flash drive)• 1 free USB slot for the SW license key Dongle
Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more
Content kit	USB CMOS Monochrome Camera, Video projector with special lens for large focal range, USB Dongle with HP 3D Scan Software Pro v5, 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.

Technical Specifications

HP 3D Structured Light Scanner Pro S3 (Y8C52AA)



Components

1. Video projector with special lens for large focal range
2. Industrial HD camera with high quality lens
3. Aluminum sliding rail
4. Camera slider
5. High quality triple jointed tripod

Technical Specifications

Specifications

Resolution/Precision	Up to 0,05% of scan size (down to 0,05 mm)
Scanning time	One single scan within 2 seconds (or up to -10 seconds, depending on settings and computer speed)
Scan size	60-500 mm
Export formats	OBJ, STL, PLY

Required

- 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 the SW license key Dongle

Recommended

- Dual core 2 GHz CPU
- 64 bit Windows
- 8 GB system memory
- 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more
- USB 3.0

Content kit

Industrial HD camera with high quality lens, Video projector with special lens for large focal range, USB Dongle with 3D Scan Software Pro v5, 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.

Technical Specifications

Upgrades

HP 3D Dual Camera Upgrade Kit - Pro S2 (Y8C55AA)

Specifications

Scansize	60-500 mm
Resolution/Precision	Up to 0,1% of scan size (down to 0,06 mm)
Scanning time	One single scan within a few seconds
Export formats	OBJ, STL, PLY
Required	<ul style="list-style-type: none">• Windows® OS• Two available USB ports for stereo cameras• HP 3D Scan Software Pro v5*

* Need to be purchased separately if no existing Pro v5 license.

Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more• USB 3.0 port
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Content kit	USB CMOS Monochrome Camera, USB 3.0 cable, Cam mount, Slider
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Technical Specifications

HP 3D Dual Camera Upgrade Kit - Pro S3 (Y8C54AA)



Components

1. Camera slider
 2. Industrial HD camera with high quality lens
 3. Cam mount
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Technical Specifications

Specifications

Scansize	60-500 mm
Resolution/Precision	Up to 0,05% of scan size (down to 0,05 mm)
Scanning time	One single scan within a few seconds
Export formats	OBJ, STL, PLY
Required	<ul style="list-style-type: none">• Windows® OS• .NET Framework 4.6 (included on this flash drive)• Two available USB ports for stereo cameras• HP 3D Scan Software Pro v5*

* Need to be purchased separately if no existing Pro v5 license.

Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more• USB 3.0 port
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Content kit	Industrial HD camera with high quality lens, USB 3.0 cable, Cam mount, Slider
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Technical Specifications

Accessories

HP 3D Automatic Turntable Pro(Y8C56AA)

Specifications

Operating voltage	12V
Operating current	1000mA
Supply voltage	230V
Dimensions	Ø 180x50 mm
TT-1 Weight	1.6kg
Object weight	Up to 5kg
Material	Aluminum
Housing potential	Isolated
CE-Conformity	Yes
RoHS	Yes
REACH	Yes
Required	<ul style="list-style-type: none">• Windows® OS• One available USB port• HP 3D SCAN SOFTWARE PRO v4 or later

Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB RAM or more
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Content kit	Automatic Turntable, Power Adaptor, USB Cable
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HP 3D Desk Scan Lever Pro (Y8C57AA)

Lift range	33 cm
Tilt	75°
Pivoting	360°
Turn	360°
Material	Aluminum
Content kit	Lever, Special scanner mount, Table clamp

Technical Specifications

Components

HP 3D Calibration Panels Pro (Y8C58AA)

Material	Double sided glass calibration panels
Dimensions	(2x 300*420mm)
Content kit	(2) Double sided glass calibration panels, (2)90° angle rail

HP 3D HD Camera Pro (Y8C60AA)

Industrial HD camera	USB 3.0
Sensor	Sony IMX 236
Shutter	Rolling
Lens mount	C/CS
Resolution	3.2 Megapixels (1920x1200)
Framerate	54fps
Required	<ul style="list-style-type: none">• Windows® OS• One available USB 3.0 port• HP 3D SCAN SOFTWARE PRO v4 or later
Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more
Content kit	HP 3D HD Camera Pro

HP 3D Monochrome Camera Pro (Y8C59AA)

Technology	USB CMOS Monochrome Camera with Lens
Resolution	1.3 Megapixels (1280x960)
FPS (Frames per second)	25
Size	58x95x50 mm
Required	<ul style="list-style-type: none">• Windows® OS• One available USB 3.0 port• HP 3D SCAN SOFTWARE PRO v4 or later
Recommended	<ul style="list-style-type: none">• Dual core 2 GHz CPU• 64 bit Windows• 8 GB system memory• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more
Content kit	3D Monochrome Camera Pro

Technical Specifications

Software

HP 3D Scan Software Pro v4 (Y8C62AA), HP 3D Scan Software Pro v4 Enterprise (Y8C64AA)

- Dongle**
- For copy protection, we ship a USB flash drive as dongle. It must be plugged in when you use HP 3D Scan Software Pro v4 Enterprise. Like this, there is no strict binding to a single PC.
 - All updates within version numbers 4.x are free (download).

- Required**
- Windows® OS
 - Microsoft .Net Framework 4.5 (included on this flash drive)
 - 1 free USB slot for the SW license key Dongle

- Recommended**
- Dual core 2 GHz CPU
 - 64 bit Windows
 - 8 GB system memory
 - 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more

- Content Kit**
- USB flash drive dongle with HP 3D Scan Software Pro v4 (Y8C62AA)
 - USB flash drive dongle with HP 3D Scan Software Pro v4 Enterprise (Y8C64AA)
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HP 3D Scan Software Pro v5 (Y8C65AA)

- Dongle**
- For copy protection, we ship a USB flash drive as dongle. It must be plugged in when you use HP 3D Scan Software Pro v5. Like this, there is no strict binding to a single PC.
 - All updates within version numbers 5.x are free (download).

- Required**
- Windows® OS
 - Microsoft .Net Framework 4.5 (included on this flash drive)
 - 1 free USB slot for the SW license key Dongle

- Recommended**
- Dual core 2 GHz CPU
 - 64 bit Windows
 - 8 GB system memory
 - 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more

- Content kit**
- USB flash drive dongle with HP 3D Scan Software Pro v5
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Summary of Changes

Date of change:	Version History:		Description of change:
January 23, 2017	From v1 to v2		Content reorganized by component type, specs updated, callouts added
March 1, 2017	From v2 to v3	Changed	Windows versions to Windows OS, .NET Framework and order of Required items
May 4, 2017	From v3 to v4	Changed	The Components view images for the HP 3D Structured Light Scanner Pro S2, S3 and the HP 3D Dual Camera Upgrade Kit Pro S3
May 4, 2017	From v4 to v5	Removed	Remote Control
July 6, 2017	From v5 to v6	Changed	The Resolution info for the HP 3D HD Camera Pro section
		Removed	Mesh density reference

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