

### Overview

## HP 3D Scan Solutions

### Solutions

HP 3D Structured Light Scanner Pro S3

#### Part Number

Y8C52AA

### Upgrades

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

### Software

HP 3D Scan Software Pro v4

Y8C62AA

HP 3D Scan Software Pro v4 Enterprise

Y8C64AA

HP 3D Scan Software Pro v5

Y8C65AA

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## 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.

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## Service and Support

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

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### Technical Specifications

## Solutions

### HP 3D Structured Light Scanner Pro S3 (Y8C52AA)



### Components

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

### Technical Specifications

#### Specifications

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

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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

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

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

<b>Recommended</b>	<ul style="list-style-type: none"><li>• Dual core 2 GHz CPU</li><li>• 64 bit Windows</li><li>• 8 GB system memory</li><li>• 3D graphics card (e.g. NVIDIA® GeForce® or AMD Radeon™) with 1 GB VRAM or more</li><li>• USB 3.0 port</li></ul>
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<b>Content kit</b>	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

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

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

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

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### Technical Specifications

## Components

### HP 3D Calibration Panels Pro (Y8C58AA)

<b>Material</b>	Double sided glass calibration panels
<b>Dimensions</b>	(2x 300*420mm)
<b>Content kit</b>	(2) Double sided glass calibration panels, (2)90° angle rails

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### HP 3D HD Camera Pro (Y8C60AA)

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

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### 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

<b>Date of change:</b>	<b>Version History:</b>		<b>Description of change:</b>
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
March 4, 2019	From v6 to v7	Removed	Obsolete products

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