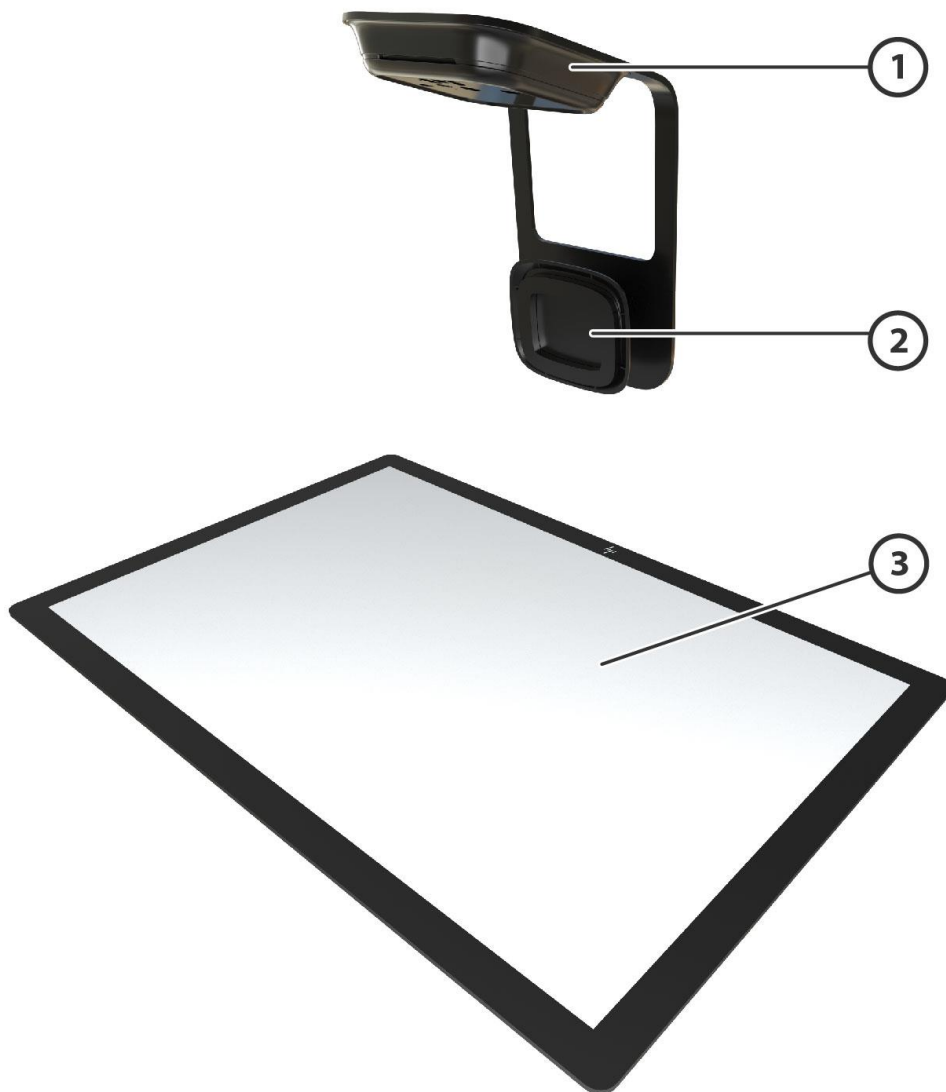


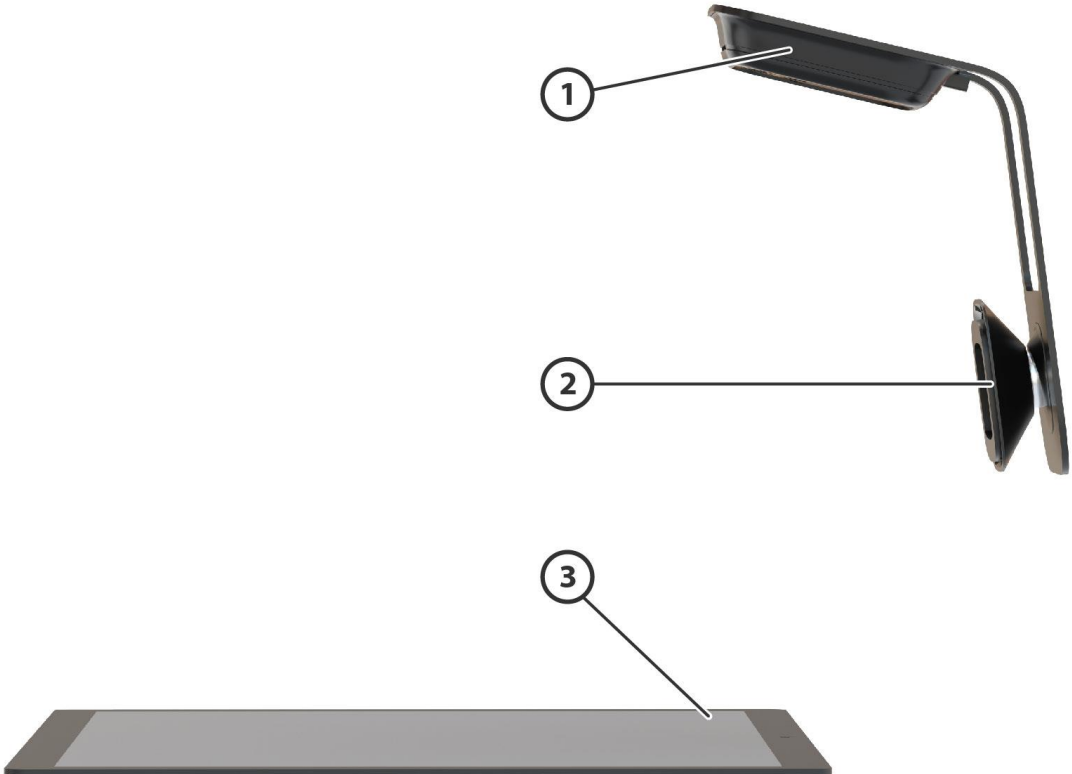
### Overview

### HP Z 3D Camera



1. Main Module
2. Mount
3. Scan Mat

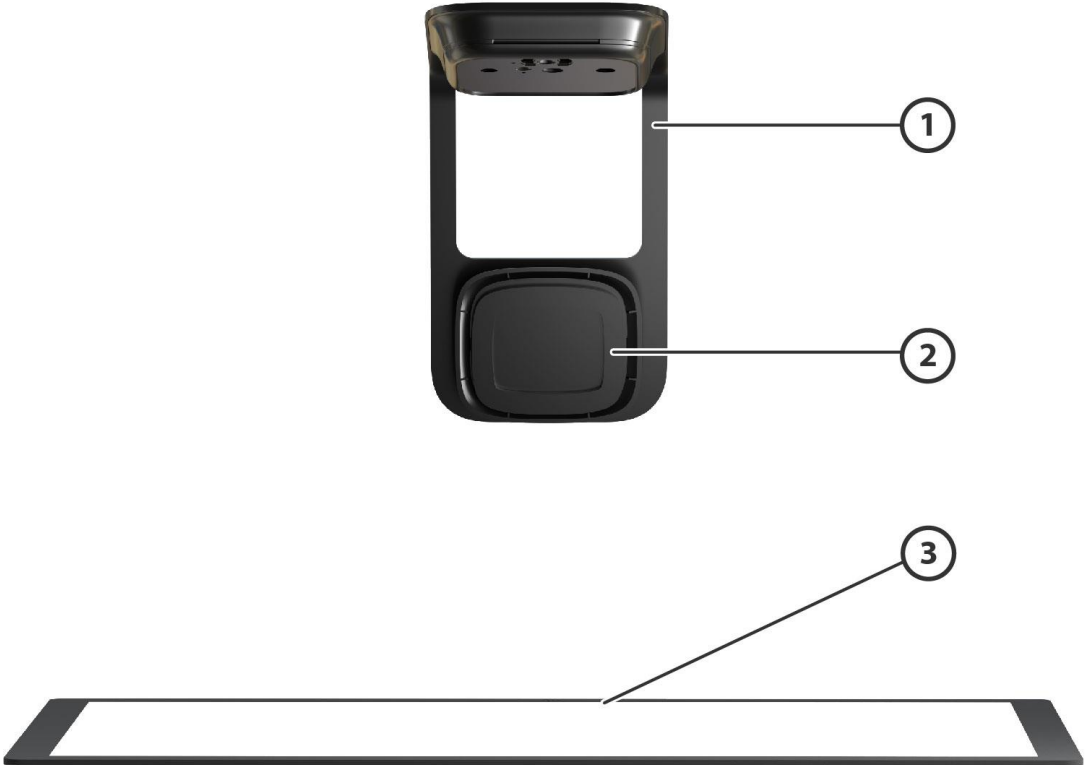
Overview



**Side View dimensions**

- 1. Main Module
- 2. Mount
- 3. Scan Mat

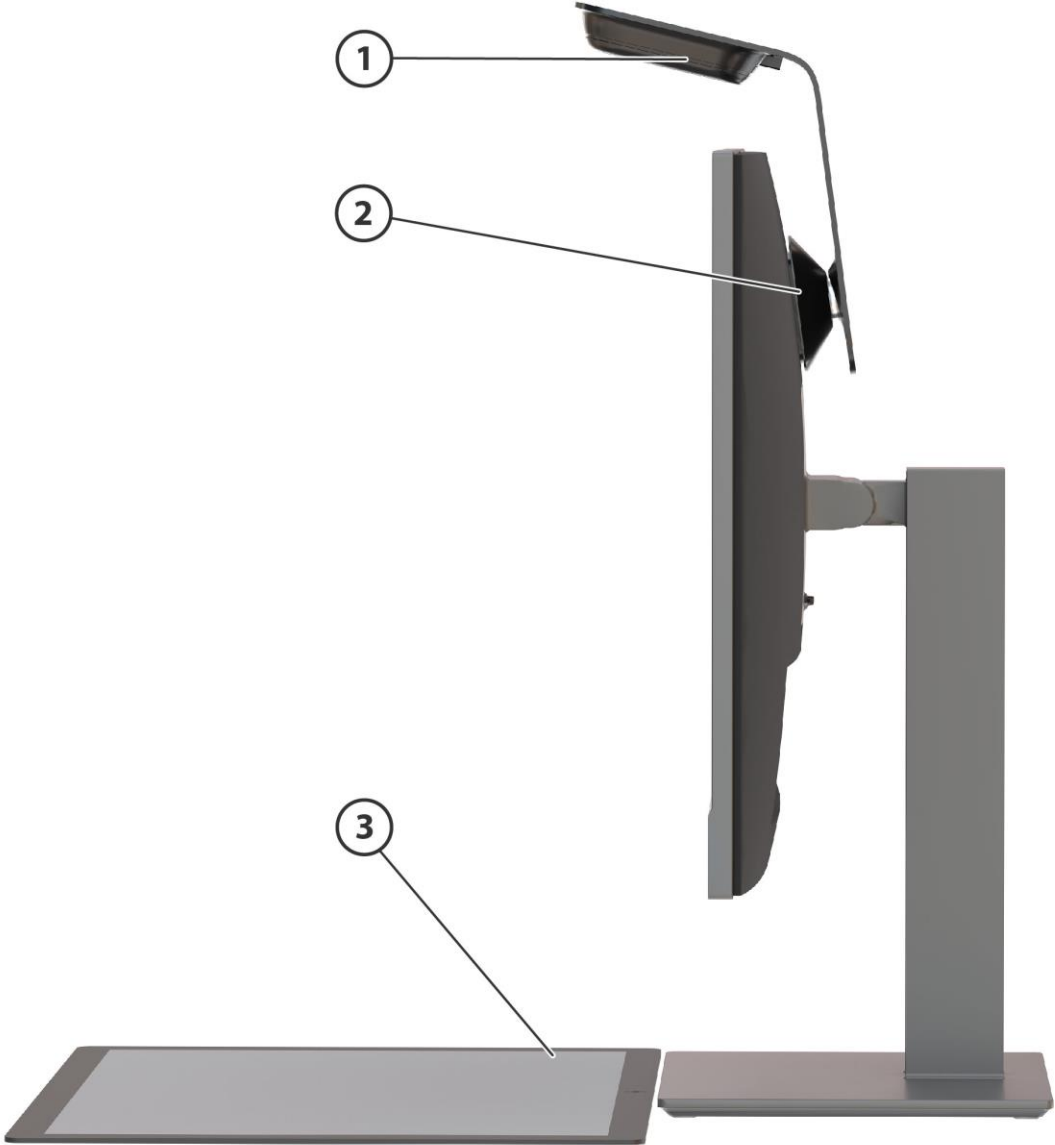
Overview



**Front view dimensions**

- 1. Main Module
- 2. Mount
- 3. Scan Mat

Overview



**Side view mounting**  
**\*monitor NOT included**

- 1. Main Module
- 2. Mount
- 3. Scan Mat

### Overview

#### Models

HP Z 3D Camera

3DB06AA

#### What's in the box

- HP Z 3D Camera
- Three Badges
- Scan Mat
- User Setup Guide

#### Compatibility and Compliance

The HP Z 3D Camera is compatible with most of the current HP Z and EliteDisplay series monitors and requires a PC with Windows 10, 4th gen Intel® Core™ i7-4790S or higher, 1xUSB-3.0 Type A, 1xUSB-2.0 Type A, minimum 16GB RAM and 1.8GB available storage, NVIDIA® GeForce® GTX 960M or better NVIDIA graphics card required for 3D capture. HP Z 3D Camera is not available in all regions.

#### WEIGHTS & DIMENSIONS (Product & Package)

<b>Main Module + Mount</b>	L: 8.73 in (221.79mm) W: 4.51 in (114.60 mm) H: 5.0 in (127.52mm)
<b>Scan Mat</b>	L: 18 in (457.20 mm) W: 13 in (330.20 mm)
<b>Cable length</b>	59.05 in (1.5m) (cable is attached to the main module)
<b>Package</b>	L: 19.84 in (504.1 mm) W: 13.88 in (352.7 mm) H: 5.24 in (133.2 mm)
<b>Weight</b>	1.2 lb (543.6 gr)

#### Warranty and Support

One-year, worldwide parts-and-labor limited warranty. 24/7 technical support

### Technical Specifications

<b>Form Factor</b>	Accessories
<b>Color</b>	Black
<b>High-Res Color Camera</b>	14.2 Megapixel, 4:3 aspect ratio
<b>Scan Mat Capture Area</b>	11.8" x 17.7", 3:2 aspect ratio
<b>3D Camera/Depth sensor</b>	Depth sensor and IR camera
<b>Connector</b>	1 x USB-3.0 Type A & 1 x USB-2.0 Type A
<b>Recommended system Requirements</b>	
<b>OS</b>	Windows 10 Pro or later
<b>CPU</b>	4th generation Intel® Core™ i7-4790S or higher
<b>USB ports</b>	2 USB ( 1 x USB-3.0 Type A ) ( 1 x USB-2.0 Type A )
<b>System RAM</b>	16GB or above
<b>Storage</b>	1.8 GB required to install
<b>Graphics</b>	NVIDIA® GeForce® GTX 960M or better NVIDIA graphics card required for 3D capture

### 2D Camera

<b>Sensor native resolution</b>	4416 x 3312 (14.6 Megapixel)
<b>Interface: command + data</b>	USB 3.0
<b>Frame Rates:</b>	
<b>4352x3264:</b>	6fps
<b>4352x2896:</b>	6fps
<b>4224x3168:</b>	6fps
<b>3840x2160:</b>	10fps
<b>2176x1632:</b>	15fps, 25fps
<b>2176x1488:</b>	15fps, 25fps
<b>1920x1080:</b>	15fps, 30fps
<b>1056x792:</b>	15fps, 30fps, 60fps
<b>1056x704:</b>	15fps, 30fps, 60fps
<b>960x540:</b>	15fps, 30fps, 60fps
<b>640x480:</b>	15fps, 60fps
<b>416x234:</b>	60fps
<b>Output format</b>	UVC1.1 YUY2(YUV422)
<b>Front focal distance range</b>	570mm nominal
<b>Field of View</b>	48.9° horizontal, 37.7° vertical, 59.2° diagonal
<b>Relative Illumination</b>	>80% at max FOV
<b>Typical power consumption</b>	3 W for camera 1.5 W for LED light

### 3D depth sensing camera

<b>Scanning technology</b>	3D depth sensing camera (IR Diffractive Optical Element Projector)
<b>3D resolution</b>	2~5mm, for depth sensing range 30cm ~ 120cm
<b>3D point accuracy</b>	2~10 mm relative depth accuracy within depth sensing range

### Technical Specifications

<b>Color texture</b>	Using 14.2 megapixel 2D camera
<b>Scanned object size</b>	100x100x100 mm ~ 300x300x300 mm
<b>Export formats</b>	OBJ, 3MF

### WorkTools descriptions

The WorkTools\* is a suite for applications that fully utilizes the immersive capabilities of HP Z 3D Camera. It downloads and gets installed automatically (Internet access required) when the HP Z 3D Camera is plugged into the system

<b>Welcome</b>	Set up your HP Z 3D Camera and get started quickly with this simple step by step introduction
<b>Discover</b>	Update your HP Z 3D Camera software, download new apps and explore how to make the most out of your HP Z 3D Camera experiences
<b>Stage</b>	Easily store or visually organize your captured or imported contents
<b>Capture</b>	Scan objects and documents in 2D and utilize live previewing, editing and external display presenting capabilities
<b>Camera 3D</b>	Scan your physical objects in a matter of seconds by simply holding and rotating the object under your HP Z 3D Camera to create high quality 3D models
<b>Control</b>	Control allows you to adjust the hardware settings of HP Z 3D Camera and Scan Mat

\* HP WorkTools requires Internet access for download and future updates.

### 3D Scan Limitations

- Not intended for detailed 3D reproduction
- Only rigid parts can be 3D scanned
- Black, shiny, transparent, glossy and highly reflective surfaces have 3D scan limitations and are not recommended.

### Summary of Changes

<b>Date of change:</b>	<b>Version History:</b>		<b>Description of change:</b>
January 9, 2018	From v1 to v2	<b>Changed</b>	Format changes

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