

# **ZOOMAGE<sup>®</sup> 3D**

## **Rotating Arm Scanner**



**ZOOMAGE**

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### **Description:**

The Rotating Arm Scanner is the latest model in the Zoomage3D line of 3D scanners from Zoomage Inc. This system features a scanning head suspended from a central pivot on a heavy-duty frame. The design is optimal for face scanning or to scan objects 8 inches to 30 inches tall. The design permits the scanner to rotate around a person allowing the subject to sit comfortably during the scanning process.

### **Example of a scanned face and object:**



### **Applications:**

#### 3D Head scanning

- Develop games using faces of real people
- Scan actor faces to add computer generated special effects to movies and television
- Scan a patient's face to aid in visualizing proposed modifications for Plastic Surgery

#### Large area 3D skin scanning

- Diagnose and document dermatological symptoms which occupy a large region of skin

#### Object scanning

- Take quality 3D scans of products for online advertising and sales; scan an object and display online so customers can see and manipulate the item in 3D before purchasing
- Create realistic 3D objects for Computer Graphics and Games

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**Specification:**

<b>Scanning Mode</b>	Scanner Head rotates about a stationary base, scanning a person or item placed at the center of rotation
<b>Image Sensors</b>	High Resolution 3 Line CCD (RGB)
<b>Dimensions</b>	W x L x H = 5' x 4.5' x 6'
<b>Weight</b>	90 Kg
<b>Field of View</b>	Up to 360 degrees
<b>Texture Resolution</b>	Up to 5300 pixels (vertical) x 10,000 pixels (horizontal), Resulting in over 50 mega-pixels for a full 360 degrees scan
<b>Wireframe</b>	Up to 10,000 x 30 polygons for a full 360 degrees scan for a 31 laser-lines model. Number of Laser lines can be increased on special order. Output format is a Zoomage file, and a conversion tool to Wavefront's .obj format is available
<b>Speed</b>	Varies depending on resolution and shutter value. A typical 360 degree scan of 6.6 mega-pixels will take approximately 125 seconds. Custom faster (lower resolution) scanner is available.
<b>Power</b>	12VDC Adapter: 110 volts/ 60 Hz (included) 12VDC Battery pack available.
<b>Focal Length</b>	50mm. (can be customized for different focal length)
<b>Supported Platform</b>	Windows 98/ME/2000/XP
<b>Communication Interface</b>	USB 2.0
<b>Software</b>	Image capture & web display software included
<b>Highlights</b>	Design Customization available. 24-bits true color

Specifications may change without notice.

All Zoomage scanners and cameras can be customized to suit the customer; if none of our products are relevant to your application Zoomage will create a scanner or camera for you.



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