



Wide Area Dynamic 3D™ **Broadway Camera™**

- High-quality 2D and 3D models
- Working distance 0.5 — 2.5m
- Field of view 45°
- Acquisition speed 15 fps

Wide opportunities

The Broadway camera™ is a revolutionary 3D scanner designed to capture both shape and texture of the object surface and to provide user with high-quality 2D+3D models. The camera is equipped with novel wide-field-of-view 3D and mega-pixel 2D sensors that capture large fragments of object or scene, up to several square meters per shot. It takes the Broadway camera™ about 0.1ms to obtain each measurement, which allows it to acquire models even of moving objects in a snap-shot or video modes. The camera operates in a broad range of environmental conditions including: office, indoor, industrial indoor, normal outdoor. The combination of all those characteristics makes the Broadway camera™ a product of new generation.

Full-fledged scans

The advanced proprietary algorithms perform automatic alignment and merge all of the scanned fragments into a single textured 3D model, which makes scanning of the entire shape of an object possible. It also allows user to digitize complex-shaped forms.

Customized applications

The Broadway camera™ may come with software development kits (SDK), which gives customers opportunity to create their own solutions based on the camera as an OEM component. The SDK could include various tools for capturing shape in the snap-shot and video modes, processing and optimization of textured 3D models, calculation of particular measurements, object analysis and recognition. The Broadway camera™ is a perfect solution for design, reverse engineering, industrial control, robot vision, navigation, surveillance, access control, medical imaging, computer graphics and animation.

Easy and safe

The Broadway camera™ is a plug-n-play device. All the customer needs to get started is to plug the camera into the computer, switch it on and run the CD. The camera is radiation-free as it contains no lasers, x-rays or other hazardous emitters.

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Broadway Camera™

Key Features

- Hi-resolution 3D and 2D measurements
- Entire shape scanning
- 3D and 2D snap-shot and video modes
- Scanning of moving objects
- Textured 3D models
- Compact design
- OEM packaging
- No hazardous radiation emission

Specifications

Dimensions, HxDxW	350 x 100 x 70 mm
Weight	1.5kg
Power	12V, 30W
Interfaces:	
3D	USB2.0
2D	USB2.0
Working distance range	0.5 — 2.5m
Field of view	45°
3D resolution, up to	200K points per surface
3D accuracy, up to	0.3mm
3D acquisition time	0.1ms
Acquisition frequency	0 — 15fps
Object speed, up to	30 km/h
Light source	flash bulb (no laser)

Accessories

- Power supply
- 2x USB cords
- User Manual
- Software CD



3D model captured by Broadway Camera™

Design and specification are subject to change without notice