ObjectScan 1600

Use in Multiple Ways

The ObjectScan 1600 allows users to scan small stereoscopic objects, such as specimen of plants, insects and minerals, ancient relics (books/bamboo slips/sheepskins), collections, paintings, and building materials (tiles/porcelains/woods), to capture images based on different demands. As well, it can also scan normal documents, such as prints and reports. With these features, users can easily use it to scan various types of objects, increasing usage rates and saving budgets from purchasing extra equipment.

Exclusively Designed and Easy-to-use Scanning Software

ScanWizard LS is software exclusively designed by Microtek for scanning and saving large-scale images. With various easy-to-understand and practical functions, such as instant scan-to-preview images, customized scanning settings, magnifying, rotating, color adjustments, and auto saving, users can become an expert and use it in person in a very short time.

ObjectScan 1600
Object Scanner

Scanning of Objects in Multi Functions and Ways of Use

Specifications

Type	On-top scan flatbed scanner		Output File Format	TIFF, JPEG, BMP, PDF
Image Sensor	Color Linear CCD		Interface	Hi-speed USB (USB 2.0)
Resolution	1600 dpi		Operating Systems	Windows 7 / 8
Optical Density	0.1 to 1.9 D		Dimensions (LxWxH)	750 x 470 x 376 mm /
Depth of Field	+/- 13 mm @ 150 dpi			29.5" x 18.5" x 14.8" (foot stands excluded)
	+/- 6.5 mm @ 300 dpi		Net Weight	45 kg (99 lbs)
Light Source	LED		Voltage	AC 100V-240V, 47-63 Hz, 1.5A max. (Input)
Depth of Color	48-bit (Input) / 24-bit (Output)			DC 15V, 2.5A (Output)
Scanning Mode	24-bit Color / 8-bit Grayscale		Power Consumption	37.5 W
Scanning Area	304.8 mm x 429.26 mm		Environment	Operating temperature:
	(12" × 16.9")			41° to 104°F (5° to 40°C)
Scanning Speed	12 sec @ 400 dpi, A3 Color			Relative humidity: 20% to 85%
	(without calibration)			

*Scanning speed may vary depending on your computer spec, operating system, and software.
**Product appearances, specifications and bundles depend on the package purchased.

System Requirements

- CD-ROM/DVD-ROM drive (for installing software)
- Color display with 24-bit color output capability
- 4 GB RAM or more
- Intel Core i5 Processor at 3.0 GHz PC or higher with Hi-speed USB (USB 2.0) port
- Windows 7 / 8

- On-top scan design does not damage the objects
- Color CCD with 1600-dpi resolution delivers perfect image quality
- Concealable and drawer-like scan bed, no interference from ambient light when scanning
- Two scan beds are convenient for positioning objects with different heights
- Up to +/- 6.5 mm DOF can get clear extended DOF images
- Tri-wavelength LED displays wide color space and enables to present real colors of objects
- Smart Auto Calibration ensures the best scan quality and generates efficiencies
- Exclusively designed ScanWizard LS is easy-to-use for large scale scanning

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ObjectScan 1600

Microtek's ObjectScan 1600 is a scanner exclusively designed for capturing images of material objects. It is perfect to be used in specimen centers of animals, plants and minerals, research centers, collecting agencies, manufactures of building materials, art designing and advertising companies. In general, demands toward digital cameras, such as the ability to present the details of objects and the awareness of the light angles and brightness when shooting, make them become complicate and expensive in operations and maintenances. Therefore, Microtek has developed the ObjectScan 1600 as a replaceable solution to make digitization of objects easier and more efficient.

A3 scan · **LED** · **DOF ±6.5mm** · **1600 DPI** · **CCD** · **2 scan beds**

On-top Scan Design Does Not Damage the Objects

The ObjectScan 1600 takes on a design of a on-top scan structure. Under this structure, users have no need to turn the object over or place it face down on the glass surface. Thus, neither the object nor glass surface may be damaged by the contacts. The ObjectScan 1600 is perfect for digitalizing the originals of old and fragile objects.

Two Scan Beds Support

Two scan beds are convenient for positioning objects with different heights. Users can choose the best scan bed based on the height of a scanned object. If the height of a scanned object is less than 7 cm, it can be put on the upper scan bed. On the contrary, it should be set on the lower scan bed if it is higher than 7 cm in order to get a clear extended DOF image.

The upper scan bed (removable)

The lower scan bed

Up to +/- 6.5 mm DOF Ensures Clear Images

The DOF (Depth of Field) of ObjectScan 1600 is up to +/- 6.5 mm at 300 dpi, which can handle scanning of uneven documents or 3D objects efficiently, such as plant specimen. This is helpful to provide a clear extended DOF image, without vagueness and distortions.

Other Scanner

The ObjectScan 1600 Scanner

Color CCD with 1600-dpi High Resolution Delivers Perfect Image Quality

The ObjectScan 1600 has a color linear CCD with resolution that reaches up to 1,600 pixels per inch. With the built-in 48-bit ADC (Analog to Digital Converter), the scanner can convert images of objects to digitized files with high fidelity format. Thus, it can clearly capture images for shapes and textures of objects, presenting original appearances of objects precisely and decreasing the happenings of damages on objects when doing researches.

Fast Scanning Speed and Auto File Saving

The ObjectScan 1600 is a flatbed scanner with a scanning area up to A3 size, allowing users to capture an A3-size image in just one scan. Therefore, there is no extra need for image stitching to present a complete after-scanned image. Also, images can be saved automatically when scanning is done. The ObjectScan 1600 is the best and the most convenient choice to digitize objects.

Tri-wavelength LED Enriches Scanning Colors

Adopted a tri-wavelength LED as its light source, the ObjectScan 1600's color gamut is closer to that by a NTSC, which presents delicate and brilliant color, making the after-scanned images as true as the real objects. Therefore, it can capture richer and deeper color than what a normal LED can do. Besides, the fortes include prevention of efficiency waste, no needs to warm up when powered on, long product life cycle, and use of convenience. Moreover, it will not cause image issues in lighting, exposure or shadow as cameras do, affected by ambient lights.

Supporting Many Image Formats

The ObjectScan 1600 supports image formats such as TIFF, BMP, JPEG and PDF. Users can choose proper image formats to use based on different purposes. For example, files in TIFF format are perfect for the use in collecting, researching or manufacturing. JPEG files are good for the use in web browsing and surfing. Moreover, users can change JPEG quality level with different compression ratios according to personal needs.

Smart Auto Calibration

The ObjectScan 1600 performs the calibration automatically based on the settings specified for each scan, ensuring the scanning quality for each job. With Smart Auto Calibration, the scanner can memorize the calibration parameters and skip the calibration procedure when the same calibration parameters appear, reducing scanning time and improving working efficiency.