

Genus Digitisation

**SMA** 

**EPIC 4870**



# A REVOLUTION IN LARGE FORMAT SCANNING

SMA proudly presents the EPIC 4870. It is the latest design in the market to digitize originals face up without the intervention of a glass plate so contactless scanning is possible. Moreover the EPIC 4870 comes with V3D technology, a new scanning technology which allows users to scan many different types of originals. It offers the capability of digitizing structured surfaces such as wood, rubber, plastic, fabrics, carpet, marble, glass and many more types of material. Finally, light reflecting items such as coins, seals and metal prints can be captured at the highest quality. The V3D technology presents new opportunities as it can be applied to materials outside the normal archive and library world.

## What is V3D Scanning?

V3D stands for **VISUAL 3D**. It is a newly designed scanning technology that produces results that look like 3D. The process is based on different lighting scenarios where the same area is being captured with several different lighting intensities on the fly. The software then combines the separate images into one image. As a result V3D images offer perfect reproductions of nearly any structured surface. In addition it increases the depth of field significantly. This approach is unique and raises the outstanding image quality of SMA scanners to another level. The V3D function can be disabled and regular 2D scanning can be performed.

## Absolutely Unique

SMA is the only company in the world that offers a full line of large format flatbed scanners varying from A1+ to double A0+ as well as a line of manual and robotic book scanners. With the addition of a contactless scanner SMA widens their product range further. All flatbed scanners are suitable for scanning large and fragile originals that do not require a book cradle or cannot be handled by a feeder. The book scanners are designed to handle large and thick bound originals utilizing a pressure sensor controlling the book cradle. The new SMA EPIC 4870 was created to digitize structured surfaces contact free. All SMA scanners offer the highest possible optical resolution in the market - in particular in large sizes such as A0 and above.

## Total Convenience

Operating the EPIC 4870 is easy and straight forward. The object table can be removed and rolled around freely. This comes in handy in particular when the original to be scanned is large and/or heavy. Simply roll the table to the object, placed it on the table, roll the table back to the scanner and plug it in. Now you can hit the scan button and the rest of the process is fully automatic. The optical scanning unit moves downwards until the optimal position is reached. A laser grid system constantly monitors the surface of the original and stops the camera once it has reached its scanning position. All SMA scanners are equipped with a special LED light illuminator that does not produce any ultraviolet or infrared radiation. Harmless and uniform illumination is guaranteed. The illuminator of all SMA scanners is located inside the scan head and is simply moved across the original. As a result all SMA scanners can be operated independent from ambient light and do not irritate the operator's eyes.

## Fast, faster, SMA !

SMA scanners were designed for applications where speed is an issue. The utilized scanning and interface technology guarantees the highest possible productivity. Further, the capability of scanning bidirectionally cuts the mechanical impact in half and increases the productivity further. It doesn't get any faster than that!

## Quality Made in Germany

Our line of scanners is equipped with an unique scan engine Made in Germany. It provides high quality images based on state of the art technology. Bitonal, grey scale or color images can be produced with a resolution of up to 1200 ppi. All our scanners achieve a very high geometrical accuracy.

## More SMA Products

For long-term preservation SMA offers an extensive line of Archive Writers along with microfilm processors as well as micrographic consumables.

# BSW - BATCH SCAN WIZARD

## Simplify High Volume Scanning

Batch Scan Wizard is a fast and easy to use software solution for professional management of large scanning volumes and jobs. The software increases data throughput and reduces operational tasks substantially. Batch Scan Wizard is ideal for processing large volume scanning jobs but is just as useful for smaller volumes in which more advanced operations like splitting or extracting specific areas on an original is required.

The operator creates a job and configures a template for the job. Then, all images scanned are collected in the job until the job is closed by the operator. In addition to the standard scan parameters like brightness, contrast, color mode or file format Batch Scan Wizard lets operators predefine specific areas of a document to extract, scan and save as separate images. Nothing is lost, because you can reopen a stored scan job and change it with the features cut, delete, insert and replace for any selected image in the job. You can also change the filename or directory location of the job.

Batch Scan Wizard supports all Scan2Net® scanners and their functions. Using Batch Scan Wizard's rescan function, a previously scanned image is held in memory. Color mode, file format, rotation, mirror and camera settings can be modified without having to rescan. The new settings will affect the image immediately, without having to physically rescan the document. When you have optimized your scan parameters, you can save the new images or replace an image in your batch.

The new, freely configurable workflow tracking in Batch Scan Wizard supports you with information about your files in each scanning job. This record includes date and time for each image scanned, the scanning parameters used, the PC used and the location of your images.

Batch Scan wizard scan job indexing will help with the compilation of individual variables and/or combinations of variables for the automatic creation of file and directory names and their directory structures.

Batch Scan Wizard Functions:

- Create custom templates for specific scanning parameters, file naming conventions and directory locations
- Automatic generation of file and directory names and directory structures using individual or combinations of variables
- Freely configurable file, directory, and scan template names (via manual input, barcode or using variables)
- Configurable keyboard shortcuts to optimize processing speed
- Supports all Scan2Net® functions as well as page splitting, page region extractions, zoom, rotate, invert and mirror
- Interface allows operators to select a variable number of image windows
- Individual image scaling horizontally, vertically or adapted to the window size
- Cut, delete, replace and insert a selected image into a previously generated job
- Multiprocessor and hyperthreading support
- Indexing scan jobs
- Create multipage PDF files
- Create multipage TIFF files
- Keyboard shortcuts, file menu and mouse context menus
- Integrated full-screen display

## Perfect Stitch - The Easiest Way to Make One Out of Two!

The PerfectStitch software is the easiest, most intuitive solution for fast and accurate stitching of two JPEG or TIFF images.

Using the high quality images generated by SMA scanners, you can achieve a perfect stitching result in three simple steps. Enlarge the scan area of your scanner significantly with PerfectStitch!

<b>Scanning Range</b>	1219 x 1778 mm (48 x 70 inch)
<b>Maximum Resolution</b>	600 ppi
<b>Scan Modes</b>	Color, greyscale and bitonal
<b>Scan Speed</b>	300 dpi 2D mode (full range): 18 seconds 600 dpi 2D mode (full range): 36 seconds 300 dpi V3D mode (full range): 36 seconds 600 dpi V3D mode (full range): 72 seconds
<b>Camera System</b>	High Quality CCD Line Sensors, sealed & dust proof
<b>Light Source</b>	White LEDs, classified IEC 60825-1: class 1, free of IR and UV emission
<b>Color Depth</b>	Color 48/24 bit, color 48/8 bit, greyscale 16/8 bit
<b>Interface</b>	Gbit Network USB 3.0
<b>Operating Systems</b>	Windows 10
<b>Inbuilt PC</b>	64 Bit Linux Operating System, 8GB RAM, Intel i3, Quad Core Processor, 320GB HDD
<b>Objekt Tables</b>	Fully removable plug & play table
<b>Included Software</b>	Batch Scan Wizard
<b>Ambient Conditions</b>	Temperature +5 to +40°C (40 to 105 °F) Humidity 20 to 80% (non-condensed)
<b>Dimensions &amp; Weight</b>	W: 230 cm / D: 145 cm / H: 1060 - 1650 cm / 300 kg

## Ways to get in touch



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