

SMA

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SMA 51 8K

The No. 1 Archive Writer Brand on the Market

Archive Writer Technology Protects the Digital World

Long-Term Storage on Microfilm

Save your essential data which is subject to long-term preservation requirements with minimum effort and very cost effective on the proven media microfilm.

The SMA 51 8k Archive Writer produces an analog backup of your digital business documents. There is no more need for migration of your electronic archive, as microfilm is totally software and hardware independent.

Microfilm, produced properly and kept under the right conditions, has a life expectancy of 500 years. In addition it is tamper proof and cannot be manipulated by viruses and hackers.

Versatile

The SMA 51 8k Archive Writers can handle the most common image files such as TIFF, JPEG and PDF on the fly, no matter if they come in bitonal, greyscale or color. The converting process is quick, reliable and provides excellent image quality. The original document size can vary from as small as a postcard up to large maps and drawings. After the files are transferred to the system it will work unattended.

The system includes a PC workstation and operating software which manages the downloaded files. Communication with the PC takes place via standard interface.

The Quad-Mode allows you to split any image into quarters. This is very useful for originals which cannot be viewed at once anyway. The 9-Mode splits images in nine pieces, the 4x4 mode in 16.

The SMA 51 8k Archive Writer covers all microfilm types from 16 to 35 mm as well as microfiche. An optional addition to the product makes it now possible to cover all types of microfilm and microfiche in only one device.

High Productivity

The SMA 51 8k Archive Writer is the fastest in the world. In duplex mode it is possible to write up to 7200 images per hour to microfilm. In simplex mode up to 3600 images per hour can be processed. For smaller originals - such as library cards, cheques etc. - an optional available nesting tool can pre-arrange the images which results in a much higher frame per hour conversion rate.

Cost-Effective

The fact that the SMA 51 8k Archive Writer utilizes standard camera microfilm makes it very cost-effective and does not force the user to buy proprietary consumables.

Protecting Your Digital Data Has Never Been Easier

The software that operates the SMA 51 8k Archive Writer is extremely user friendly. Simply choose any folder from your PC or network and add it to the filming menu. A special image monitoring tool makes certain that every image was opened and properly filmed. In the case of a corrupt image, the system will inform you immediately. When each film roll is completed the software will create a logfile to validate the integrity of the filming process.

Sample Features

- Fade in of blips (up to three levels) ◀
- Fade in of Meta Data (file name, doc size, numbers and more) ◀
- Fade in of start target, end target, index target and others ◀
- Data check before filming ◀
- Creation of log file after filming ◀
- Individually programmable size of steps between frames ◀
- Continuous filming function for 300 m rolls with automatic job separation ◀
- Negative and positive output due to reverse polarity option ◀
- Adjustable shutter speed ◀
- Adjustable exposure control ◀
- Creation of trailers in any length ◀
- Thumbnail preview of images ◀
- Re-exposure of past jobs ◀
- Reading order of the images by original order, name or date ◀
- Conversion of TIFF, JPEG, PDF and many other formats ◀
- Single page and multi page conversion ◀
- Landscape and portrait orientation of images possible ◀
- Creation of unlimited amounts of templates ◀
- Possible to interrupt and continue rolls ◀
- Login protected system check for maintenance ◀

Your Choice of Cameras

The SMA 51 8k can be equipped with different cameras as shown below. The last scheme demonstrates the Quad-Mode. The 9-Mode separates the image into nine partial images.

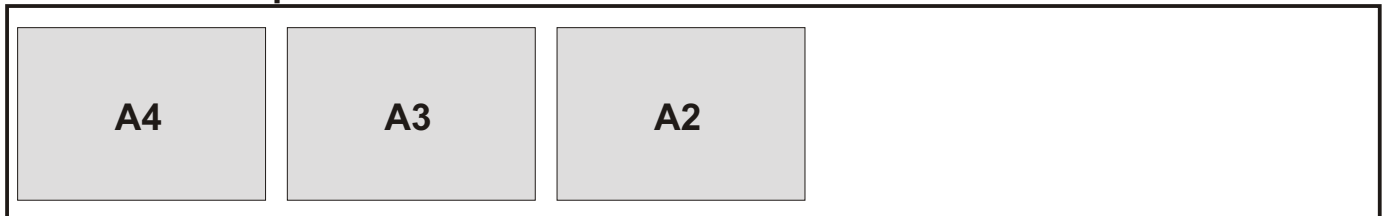
16 mm



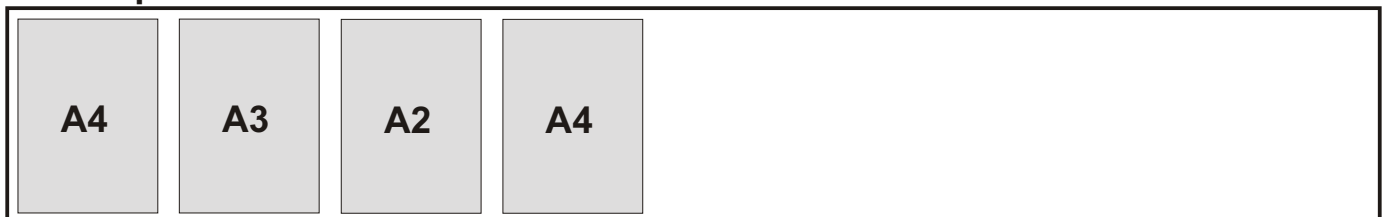
16 mm A3/A4



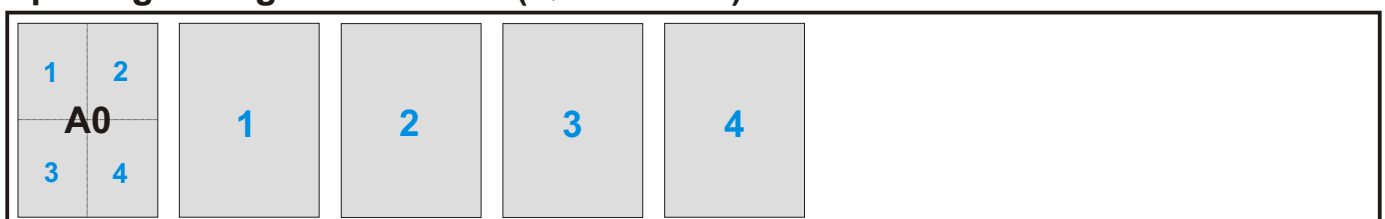
35 mm landscape



35 mm portrait



Splitting of large documents (Quad-Mode)



Individual Standard Cameras	16 mm x 30-65 m (interchangeable) 35 mm x 30-65 m (interchangeable)
Optional Cameras	16 mm x 30-600 m (interchangeable) 35 mm x 30-600 m (interchangeable)
Other Cameras	105 x 148 mm microfiche (option, includes on-board processor)
Optical System	High precision German made lens High resolution 8K display
Resolution	33.18 MP (nativ) 132.72 MP (Quad-Mode) 298.62 MP (9-Mode) 530.88 MP (4x4 Mode)
Maximum Document Size	No limitations
Filming Speed	Up to one image per second
Type of Conversion	Bitonal, grey scale and color
Image Orientation	Portrait and landscape
Directly Convertable File Formats	TIFF, JPEG, PDF and many others, single und multi page files
Meta Data	Consecutive numbers, image file names, blips and other index data
Location of Meta Data On Film	Next to image or below image
Blip	Up to three levels
Ambient Conditions	+5 to + 40°C Relative humidity 20 to 80% (non-condensed)
Noise Level	Office compatible (<50dB)
Delivery Includes	Archive Writer Camera heads of your choice PC workstation Application software
Dimensions & Weight	Width: 80 cm Depth: 92 cm Height: 138 cm Weight: 120 kg (without PC and monitor)



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BLACK & YELLOW

SMA Electronic Document GmbH
Södeler Weg 2
61200 Wölfersheim
Germany

Phone: +49 6036 9893010
Fax: +49 6036 9893020