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# SMA 51/57 **8K**

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# 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 51/57 8k Archive Writera produce an analog backup of your digital business documents. There is no more need for migration of your electronic archives, as microfilm is totally software and hard-ware 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 51/57 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, greyscales or color. The converting process is quick, reliable and provides excellent image quality. The original document size can vary from as small as postcard up to large maps and drawings. After the files are transfered 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 SMA 51/57 8k Archive Writers 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 51/57 8k Archive Writers is the fastest in the world. In duplex mode, it is possible to write up to 7,200 images per hour to microfilm. In simplex mode up to 3,600 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 51/57 8k Archive Writers utilize standard camera microfilm makes it very cost-effect -ive and does not force the user to buy proprietary consumables.

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# Protecting Your Digital Data Has Never Been Easier

The software that operates the SMA 51/57 8k Archive Writers are 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 is opened and properly filmed. In the case of a corrupt image, the system will inform you immediately. When each film roll is completed 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 300/610 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 ◀

Conversation 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 ◀

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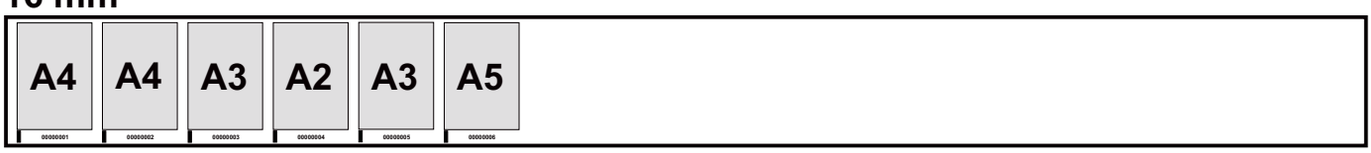
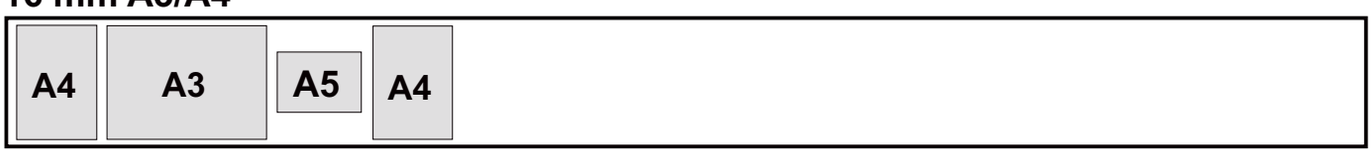
# Your Choice of Cameras

The SMA 51/57 8k can be equiped with different cameras as shown below. The last scheme demonstrates the Quad-Mode. The 9-Mode separates the image into nine partial images to achieve a higher total resolution.

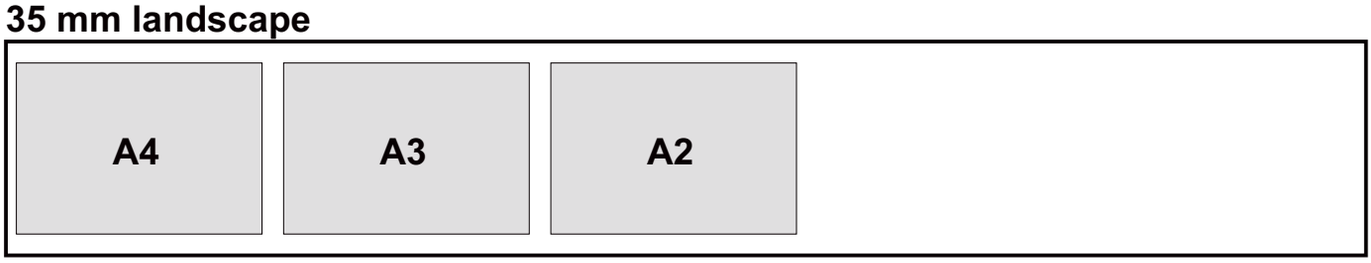
**16 mm**



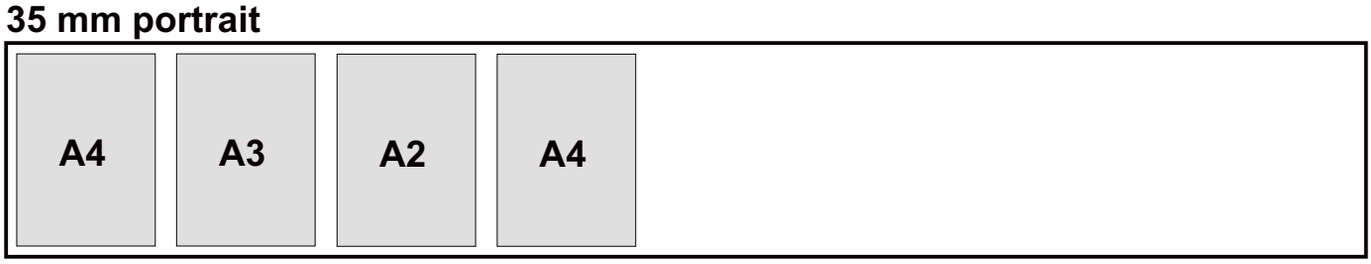

**16 mm A3/A4**



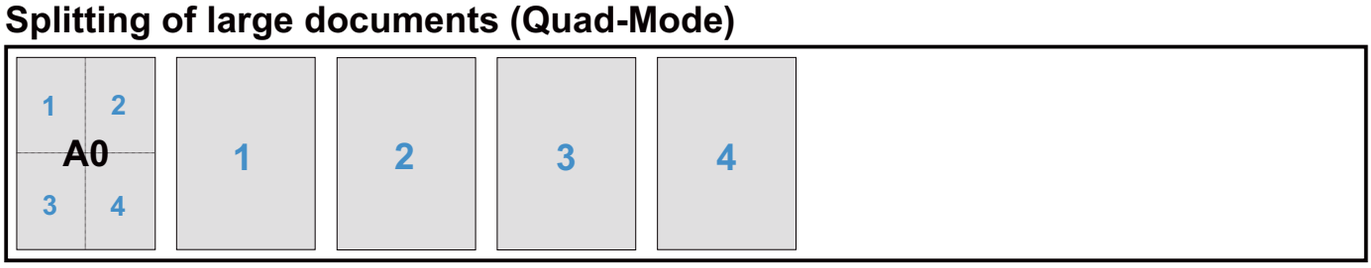

**35 mm landscape**




**35 mm portrait**




**Splitting of large documents (Quad-Mode)**



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|---|---|
| **Individual Standard Cameras** | 16/35mm x 30-65M (interchangeable)<br>105mm and 16/35mm x 30-65M (interchangeable on SMA 57) |
| **Optional Cameras** | 16/35mm x 300-600M (interchangeable)<br>105mm x 30M & 16/35mm x 300-600M (interchangeable on SMA 57) |
| **Other Cameras** | 105 x 148 mm microfiche (option, includes on-board processor) |
| **Optical System** | High precision German made lens<br>High resolution 8K display |
| **Resolution** | 33.18 MP (nativ)<br>132.72 MP (Quad-Mode)<br>298.62 MP (9-Mode)<br>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** | Consequtive 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<br>Relative humidity 20 to 80% (non-condensed) |
| **Noise Level** | Office compatible (<50dB) |
| **Delivery Includes** | Archive Writer<br>Camera heads of your choice<br>PC workstation<br>Application software |
| **Dimensions & Weight** | Width: 140 cm<br>Depth: 90 cm<br>Height: 140 cm<br><br>Weight: 80 kg (without PC and monitor) |

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