SMA

SMA eDOCUMENT

PRODUCT INFORMATION

SMA 51

Digital-to-Analog Converting System for 16 and 35 mm Roll Film

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TECHNICAL DATA SHEET

SMA 51

Digital-to-Analog Converting System utilizing 16 and 35 mm microfilm

Long-Term Storage on Microfilm

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

The SMA 51 produces an analog backup of your digital business documents. There is no more need for migration of your electronic archive as microfilm is totally soft- and hardware independent.

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

Versatile

The SMA 51 can handle all kinds of image files such as TIFF, JPEG, PDF, DOC, XLS, etc. 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 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 such as A0 (E-Size) engineering drawings.

High Productivity

The SMA 51 is the fastest 16/35 mm converting system in the world.

Cost-Effective

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

Conversion also on Microfiche

For converting image files back to microfiche please ask for the **SMA 105**. This product has an online processor which allows you to develop the film right after exposure.

TECHNICAL SPECIFICATIONS

Optical Resolution

This depends very much on the physical size of the original documents as well as the reduction ratio it is being converted with. In addition the Quad-Mode doubles the resolution and the 9-Mode even exposes 81 million pixles.

Converting Speed

Maximum converting speed is 7200 images per hour. Depending on the type of image and the physical size of the files, the type of film (16 or 35 mm) and if you use simplex or duplex mode the conversion speed varies.

Data Import

Via standard interface through PC workstation which is provided. Special import tools can be programmed according to special requirements.

Connection

System can be integrated in any network environment via standard LAN connection.

Software Features

Possibility to expose one, two or three level blips, consecutive numbers or the image file name below each frame. Polarity can be reversed by a mouse-click. Exposure time and shutter speed are standard parameters which can be adjusted by a fingertip. The software can be adapted to various needs. Individual programming is optional available.

Utilized Film

Any standard microfilm can be utilized (6 µm, 10 µm und 13 µm). A special cartridge for 300 meter film rolls can be provided on request.

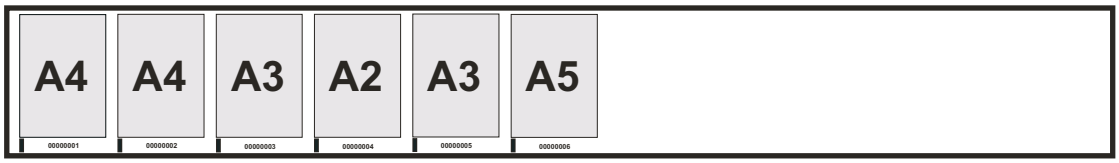
Dimensions & Weight

W: 120 cm D: 90 cm H: 105 cm
80 kg (including PC and Monitor)

TECHNICAL DATA SHEET

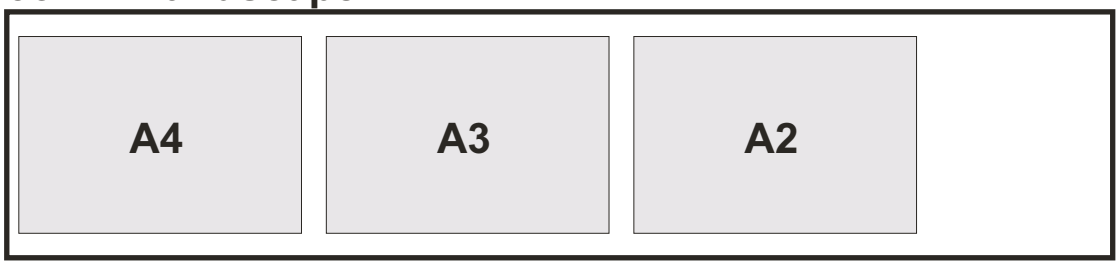
The SMA 51 offers the following cameras. The last scheme demonstrates the Quad-Mode.

16 mm



16 mm A3/A4

35 mm landscape



35 mm portrait

Splitting of large documents (Quad-Mode)