ScanFlo Professional

About ScanFlo

SunRise microfilm scanners are high quality modular production scanners, for Rollfilm, Microfiche and Aperture Card films.   ScanFlo provides high speed continuous scanning of microfilm, as opposed to slow, manual one page at a time mode, typical of workstation and personal scanners.

ScanFlo controls film movement, light level, digitization, image processing and saving of images to internal hard drive, external drive, or network server. Scanflo is a Windows 7 Professional software application.

Scanflo's goals:
- Simple setup of automatic scanning via Graphical User Interface
- Provide automatic settings with over-ride for special film conditions
- Specialized functions supporting each type of microfilm
- Batch Scanning mode producing finished PDF,JPG,TIF files

Since 1991, when the unique 3-in-1 modular scanners were first developed by SunRise, Scanflo has continuously evolved to include new features and enhanced capabilities – resulting in higher speed, lower cost, enhanced image quality and highest reliability.   Sunrise Imaging is a time tested, trusted name in the microfilm scanning industry.

Essential features of ScanFlo:
- Bi-tonal and grayscale scanning
- Gamma correction – compensates for grayscale contrast
- Image cleanup – filters, adaptive bitonal thresholding…
- Page processing – crop and deskew, rotate, mirror…
- Grayscale scanning - ideal for historical archived documents, photographs and newspapers

Scanflo produces PDF files, but can save images in standard formats:

Grayscale	Bi-tonal
TIFF Uncompressed (4, 8 & 12 bit)	TIFF Uncompressed
TIFF LZW (4, 8 & 12 bit)	TIFF CCITG4
TIFF Multi page (4 & 8 bit)	TIFF Multi page
JPEG (4 & 8 bit)	PDF
GIF (4 & 8 bit)	
PDF (1,4,8 bit)	

Scanflo Professional is used world wide, by professional microfilm service bureaus, government agencies, librarians, and digital archivists, and to that audience Sunrise Imaging Inc. is dedicated to delivering exceptional quality microfilm scanners.

ScanFlo software is provided with
SunRise 3-in1 scanners

Rollfilm module

Fiche module
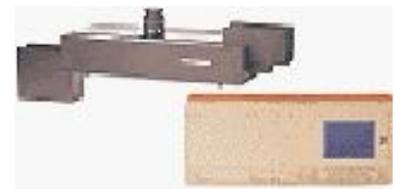
Aperture card module

Features of SunRise ScanFlo software application

Scanflo Main Dialog

The Scanflo main dialog menu bar gives access to all scanner functions, and its main toolbar is used to quickly navigate to dialogs that setup the scanner. The main dialog window shows the scan images. Scans can be viewed zoomed out, zoomed in, or 1:1 via a "pan" window.

Preference Dialog
The preference dialog sets the file type to create: TIF, JPEG, PDF, GIF, single page, multipage, compressed, or uncompressed.

Camera Dialog
After loading the film, setup begins with setting the camera, and this includes focus, f-stop and optical camera zoom. Optical zoom is set for the reduction ratio and scan DPI , that is essential for higher quality image scanning..

Setup Dialog
The operator previews the film adjusting the light level, and configures "frame detection". The term "frame" is used rather than page, because the frame may encompass more than one page (duplex film), or Blips or Title bars or special fields of interest. For Rollfilm the Frame Detector requires configuring an algorithm that looks for white space between pages. For Fiche the Frame Detector requires configuring an algorithm that finds the fiche rows and the pages within the rows. For Aperture card scanning the Frame Detector requires definition of "T-Cards", plus selection of Hollerith characters. Once the setup of frame detector has been done, the operator can page through the film, viewing the frames.

Rollfilm Setup Dialog

Properties Dialog
There is a unique Properties Dialog for each module containing special scan parameters and common parameters, including: timeouts, camera mode, inch/millimeter units to name a few.

Processor Dialog
The Processor dialog is used to create page files from the scan frames. Images are grouped into four Image Processing Objects or functional groups (Normal scan, Titlebar, Other and Prescan). Each group has its own settings for crop, de-skew, mirror, rotate, and scaling.

Image Processing Dialog
Each of the image groups can have its own setting for Bitonal and Grayscale parameters, Gamma, image filtering, light level, and positive/negative.

Processor Dialog

Namer Dialog
The Namer dialog is used to automatically name the image files as they are created, using unique capabilities for each module, or standard naming.

Batch Scan Dialog
Besides Batch Number, and Frame Number; for each module there are unique parameters such as Apcard number, Roll number, Fiche number plus more advanced batch parameters the operator can set for naming the files.