Imacon Flextight 646

The Professional Solution for Digital-image Capture

Get more out of your originals with the Flextight 646 High-End Scanner

Imagine having all of your images ever, from your film archive scanned into computer files with the highest quality. Not only do you get quality back-up copies of your irreplaceable originals, but also each image becomes more valuable to your customers because it is instantly ready for layout and print.

With its easy and accurate original-handling system and powerful and intuitive software, the Flextight 646 is designed with the artist in mind. All you need is a good eye for images and even if you have never used a scanner before, you will soon be able to turn your entire film-based image catalog into high-end, repro-quality scans.

Each scan's value is furthermore increased by Imacon's 3F file format, which maintains your original 16-bit scan data and keeps a full history of each output setup you use, thereby giving you true "scan once, output anywhere" captures.

- **New generation:** A next-generation scanner that is easy to operate and delivers absolute high-end quality.

- **Best technology:** Brings the latest scanning technology to a new price point. Most photographers selling a few images a day will enjoy better economic benefits from high-end scanning than from digital photography.

- **3F Workflow concept:** Dramatically increases image value for you and your customers.

- **Top-quality negatives:** You can now scan best-quality negatives for results just as good as from positives, while just as easily, taking full advantage of the latest developments in negative film.

- **Speed:** High-speed scanning at 40 MB/min., with 16 bits per color and file sizes up to 1 GB.

- **Best image quality:** The best optical technology, with glass-free original handling; the best light sources; the best Rodenstock glass lens; and the best CCD sensor from Kodak.

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Quality

For all imaging professionals, image quality is of supreme importance. With the Flextight 646, each scan provides outstanding sharpness, color depth and color accuracy–the hallmarks of image quality. Even on your very first scan, you will immediately notice the outstanding image quality. Contact your local Imacon representative for a demo and see for yourself.

Speed

When you have many scans to do, such as when first digitizing your archive, speed comes second only to image quality. Fortunately, the Flextight 646 is capable of scanning a 40 MB image in just one minute. To save even more time during post-scan retouch, take advantage of the FlexTouch dust-and-scratch removal software, which works automatically during output.

Logical Technology

At Imacon, we consider simplicity in construction to be one of our most important design principles. This means designing for strength and reliability, using the best-possible components and avoiding materials that might require extra calibration due to irregularities that may appear during manufacturing or over time.

This principle is well illustrated by Flextight's unique original-handling system. Traditionally, scanners have been designed to require glass plates and or gel to keep the originals straight, flat and sharp during scanning. Glass must be kept clean and adds image distortions and other unwanted artifacts to your scans. Flextight uses glass-free original holders that flex the original during scanning to form a completely straight scan line that places nothing between the original and the electronic image sensor.

Our scanners are designed to capture all of the details in your the original image–nothing more and nothing less. If something should be left out, this will be your decision and not the scanner's.

Flexible File Format

All images captured on a Flextight scanner are saved in Imacon's 3F file format, which maintains your original, raw image data as a 16-bit TIFF file and adds database information plus a complete history of output settings. It enables you to optimize the image for each of several types of output without ever altering the original, maximum quality scan data.

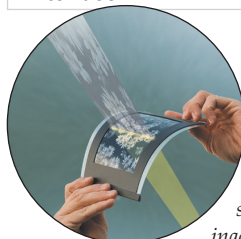Paul Fawley, from Location Group in the UK, was so impressed with the value added by 3F to his workflow that he states simply, "One day, all photographers will be using 3F."

FlexTouch

When it comes to retouching images for final output, one of the most time-consuming tasks is often that of removing the marks left by dust and scratches on the originals. To help make sure all of your images are print-ready as quickly as possible, add the optional FlexTouch dust-and-scratch removal software, which automatically removes these marks during output.

Flextight 646 Specifications:

	Flextight 646	Flextight 848
Optic sensor	CCD (3 x 8000 dpi)	CCD (3 x 8000 dpi)
Optical resolution non-interpolated	80 dpi to 6300 dpi	80 dpi to 8000 dpi
Scan principle	Virtual Drum	Virtual Drum
Original type	Film (negative/positive) Print	Film (negative/positive) Print
Color depth	16 bit true color mode 8 or 16 bit Tiff file	16 bit true color mode 8 or 16 bit Tiff file
Speed	40 Mb/min.	100 Mb/min.
Software	FlexColor compatible: Mac OS 9+ and OS X PC Windows	FlexColor compatible: Mac OS 9+ and OS X PC Windows
Density	4.6 Dmax single pass scan	4.8 Dmax single pass scan
Format	Transparency: 35 mm to 12 x 17 cm Reflex: Up to A4	Transparency: 35 mm to 12 x 17 cm Reflex: Up to A4
Magnification	20% to 3000%	20% to 3800%
Scan Modes	Color (24, 32 & 48 bit), grayscale and line art Batch image processing	Color (24, 32 & 48 bit), grayscale and line art Batch image processing Optional 10 holder
Batch feeder	Not available	Optional
Mounted slide adapter	Not available	Optional
Auto focus	Yes	Yes
Frame detection	Yes	Yes
Active cooling	No	Yes
Interface	Native Firewire	SCSI and Native Firewire

Virtual Drum - the only way to get perfect focus with a glass-free optical path. *By bending the original, the tension creates a straight scanline thus eliminating inaccuracies that can cause registration errors and color flaring.*

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