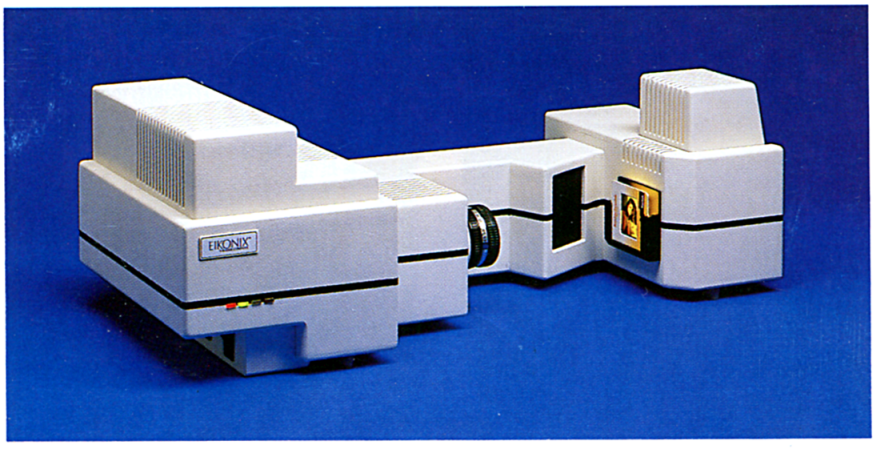
A high-resolution, 35 mm desktop scanner.



Now there's a desktop scanner that's versatile enough to handle all your 35 mm color slide requirements, and more! It's the EIKONIX 1435 Slide Scanner. Designed specifically for high-throughput scanning of 35 mm color slides, the EIKONIX 1435 offers the flexibility to scan mounted and unmounted slides, negatives, single frames and film strips, 35 mm sections of up to 70 mm film, and aperture cards. And that's not all.

The 1435 is packaged and priced to meet the large-volume purchase requirements of OEMs, VARs, and VADs. It's part of a growing family of software-compatible, multi-format Eikonix cameras. And, it's ideally suited to a variety of desktop color applications including electronic prepress, photojournalism, printing and publishing, and presentation graphics.

Completes a color scan in under three minutes

The EIKONIX 1435 is a small-format, linear CCD scanner offering 2800 dots per inch resolution, a dynamic range of up to 12 bits per pixel per color, and the ability to complete a 35 mm, 24 bit color scan in under three minutes. Its patented scanning technique, which involves movement of the camera's sensor array rather than the object film, ensures positional accuracy in multiple RGB scans.

Self-contained, microprocessor controlled electronics

Featuring a compact desktop design, the 1435 includes microprocessor-controlled scanning and communication electronics, a flexible film-holding mechanism, a fixed-focus 75 mm Rodenstock lens, a color filter wheel, and a high-intensity diffused light source.

A variety of standard features

All 1435s come standard with either a 110 VAC/60 Hz or 220 VAC/50 Hz power supply. A

Digitize images at 2800 dpi

Capture subtle, natural tones with 36 bit color

Digitize action shots from a variety of film formats

Photo by Tim Elliott

prominent, front-panel display of LEDs permits easy monitoring of the scanner's self-diagnostic functions and array exposure. The data normalizer's automatic bias and gain calibration eliminates dark current streaking. And precision filters ensure consistent image digitization and maximum color balance.

Easy-to-use, menu-driven scanning software

The 1435's user-friendly software enables maximum scanning efficiency. This menu-driven package allows the user to easily select from a variety of scanning and imaging functions such as color or monochrome images; dynamic range of 12 bits, 8 bits, or one bit per pixel per color; automatic bias and gain calibrations; automatic exposure and color balance adjust; gamma correction; output to display or disk; image enhancement and editing; crop, zoom, and rotate functions; data compression; and more.

Interface to the most popular computing platforms

Eikonix digital imaging cameras are compatible with a variety of computer buses and systems. Based on the industry-standard IEEE-488 interface, Eikonix cameras interface to virtually any standard bus. Eikonix offers the necessary hardware, software, and support for IBM PC/XT/AT and PS/2 (and 100% compatibles), Apple Macintosh II, DEC Unibus and Q-Bus based systems, and all VME-Bus based

systems including Sun Microsystems SUN3/VME and SUN4. Additionally, a broad range of application-specific hardware and software options are supported including Truevision's TARGA and TrueVista videographics display boards.

Scan and manipulate any positive or negative film

Specifications

Array	Linear 4096-element Charge-Coupled Device (CCD)
Resolution	2800 dots per inch (fixed)
Dynamic range	Up to 12 bits per pixel per color (user selectable — 12, 8, or 1 bit)
Scan area	36 × 24 mm
Optics	Fixed-focus, precision 75 mm Rodenstock lens
Color	Red/green/blue
Accuracy	±1.7 pixels across the field of travel
Precise geometric repeatability	2 microns
Pixel size	7 × 5 microns (rectangular)
Pixel separation	2 microns
Image field flatness	0.1 mm
Signal-to-noise ratio	1000:1 (density resolution of 3.0)
Scan times (24-bit color)	Less than 3 minutes
Asynchronous operation	Permits multi-tasking, multi-user operation of host computer
Computer interfaces (IEEE-488) available for	IBM PC/XT/AT and PS/2 (and 100% compatibles), Apple Macintosh II, DEC Unibus and Q-Bus based systems, and all VME-Bus based systems including Sun Microsystems SUN3/VME and SUN4.
Scan media formats	Mounted or unmounted 35 mm slides, negatives, film strips, roll film, 35 mm sections of up to 70 mm/90 mm film, and aperture cards.
Scanning software	Allows simplified menu-driven scanning. Autocalibration, autoexposure, autocolor balance, gamma correction, 12/8/1 bit scan.
Imaging software	Allows simplified menu-driven image editing and enhancement. Crop, zoom, rotate, positive/negative, data compression.
File formats	IOPIC, TIFF, PICT2, TARGA/Vista
Environmental requirements	
Operating temperature	60 to 90 degrees F, 16 to 32 degrees C
Storage temperature	-40 to 176 degrees F, -40 to 80 degrees C
Operating relative humidity	20% to 80% (noncondensing)
Storage relative humidity	20% to 95% (noncondensing)
Scanner	
Dimensions	7 1/2 in. H × 22 in. W × 10 in. D
Weight	15 lbs.
Power requirements	110 VAC ± 10% 60 Hz (2A) 220/240 VAC ± 10% 50 Hz (1A)
Power supply	
Dimensions	3 3/4 in. H × 12 in. W × 8 in. D
Weight	10 lbs.
Power requirements	110 VAC ± 10% 60 Hz (2A) 220/240 VAC ± 10% 50 Hz (1A) Power supply includes 15' cable.

Product specifications subject to change without notice.

EIKONIX
IMAGING SYSTEMS

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