

ColorGetter 3Pro

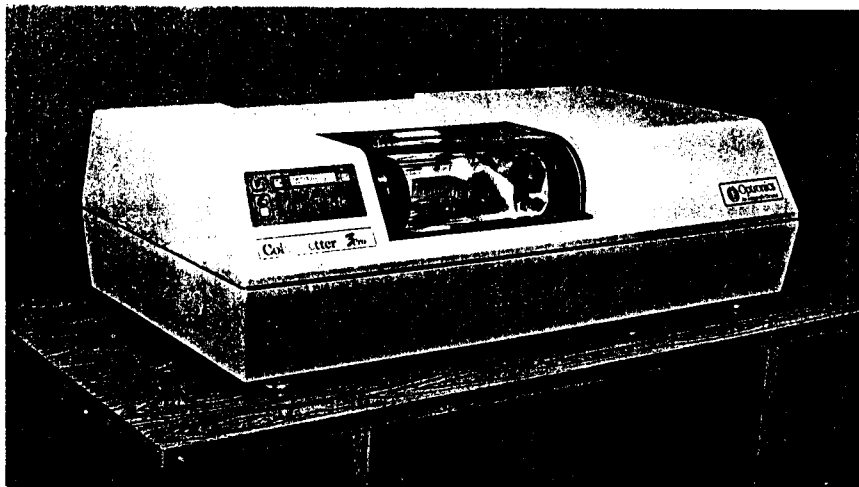
Desktop Color Drum Scanner



Optronics
An Intergraph Division

Performance in Precision Imaging

ColorGetter® 3 Pro Large-Format Desktop Color Drum Scanner



The 8128-dpi ColorGetter 3 family represents the ultimate achievement in desktop color scanning. And as the top performer in that line, the ColorGetter 3 Pro takes its place as the most impressive scanner ever developed — the one against which all others will be measured.

By combining the highest resolution ever available on a desktop drum scanner with its large 11" x 15" image format, the very affordable ColorGetter 3 Pro gives you unprecedented scanning flexibility and productivity to handle almost any job faster, better, and more economically than ever before.

As you might expect from the company which pioneered color desktop drum scanning, this ColorGetter achieves its high resolution optically, not through software. Our new electronics and software design allow your scan data to be transferred faster than ever to IBM and compatible PCs, Macintosh, and UNIX workstations, including Power Macs and PCs.

And with its new micro-stepping electronics, you can select from nearly 4,100 discrete resolution steps without interpolating, and scan more quietly than ever before.

In developing the new ColorGetter 3 Pro, we didn't skimp on any of the details that have made the ColorGetter the world's standard of quality and reliability. It features an optical system with incomparable stability. A xenon lamp that yields greater color fidelity than any halogen bulb. PMT's that are second to none. Three levels of automatic calibration. An auto-aperture system with 22 settings to maximize batch scanning throughput. Flexible variable focus. Drums that are self-centering to assure repeatability, and removable to let you load one while another is being scanned. And the ability to scan originals from 35mm to its full 11" x 15" format in a single pass, and at the full dynamic range of 0.0 to 4.0 D Max.

Whether you're making high-resolution reproductions or enlarging cropped images 3,000%, and scanning transparencies, reflective art, negatives, or black-and-whites, the ColorGetter 3 Pro provides uncompromising imaging quality.

To further boost the performance of your bottom line, the ColorGetter 3 Pro can be used with Optronics' powerful yet easy-to-use ColorRight software, which lets you direct it interactively through a symphony of tool sets, and correct color in a variety of ways — even selectively — before executing the final scan. And its other features can increase productivity by 400% to 500% over RGB-only scanners and plug-ins.

The Optronics ColorGetter 3 Pro. It gives "high performance scanning" brand new definition.

Key Benefits

- Large, 11" x 15" active scan area
- True optical resolution up to 8128 dpi
- More than 4000 resolution steps without interpolation
- Improved data transfer rates for faster operation
- The full dynamic range of 0.0 to 4.0 D Max
- 22-setting automatic aperture system for flexibility in all scanning modes
- Supports true batch-mode operation
- Optional Optronics' ColorRight scanning software for added power and flexibility
- Compatible with many host workstation platforms, including Power Macs and PCs
- Projected 2.5-year average MTBF for major components
- World-class service and support

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Technical Specifications

Media carrier
Removable rotating drum

Input originals

Size: 35 mm to 11" x 15" (27.9 cm x 38.1 cm)
Type: Transmissive and reflective
Color and black & white
Continuous tone, line art, and logo types
Flexible to conform to curved drum

Active scan area

11" x 15" (27.9 cm x 38.1 cm)

Resolution

User selectable, 1600 microns (16 raster lines per inch) to 3.125 microns (8128 raster lines per inch) at intervals of .390625 microns

Apertures

22 automatic selections from 6.25 to 800 microns

Color resolution

12 bits per color, 4096 levels of gray
Yields up to 36 bit color capture with
12 or 8 bits/color output via lookup tables

Scan speed

Depends upon size of original, final output size, output screen frequency, and host system

Data formats supported

Hardware dependent including:
Simultaneous RGB
Line sequential RGB
Monochrome

Operator interface

Via host resident ColorRight software
Defines type of original, scan area, sampling interval, color separation, color correction curves

Output file format

RGB TIFF or TARGA via ColorRight PC software
RBG TIFF, CMYK TIFF, or CMYK (DCS) via ColorRight 3.1 or ColorRight 4.1 software

Host interface

IEEE 488 parallel (GPIB)
Additional interfaces in development

Control panel indicators

Power ON/OFF
Drum ON/OFF and indicators
Interlock/door closed
Alphanumeric status display
Function select/enter

Focus Control

Variable focus

Light Source

Xenon (user replaceable)

Physical dimensions

Scan Unit: 45" wide x 24" deep x 14" high
(115 cm x 61 cm x 35.6 cm), 217 lbs
Control Unit: 11.6" wide x 15.4" deep x 3.6" high
(29.5 cm x 39 cm x 9.2 cm), 16.5 lbs

Power requirements

100/120/220/240 + 10% VAC
50/60 Hz, 700 watts

Operational conditions

Temperature: 65–75 degrees F
Humidity: 40%–70% noncondensing

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