



ColorGetter™

Consider what an Eagle has come to symbolize - keen eye, swift flight, and aggressive pursuit. It is no wonder our new ColorGetter desktop drum scanners is named after this majestic icon of nature, and the enduring attributes it represents.

Optronics' ColorGetter® Eagle offers extraordinary resolution and color fidelity — made possible only with superior optics, proven PMT technology, and high speed automation required for professional scanning.

Highly sensitive Photomultiplier Tube (PMT) technology is at the heart of each ColorGetters' ability to capture brilliant highlights, fine details, rich colors, and hues of any original transparent, positive or negative and reflective media. In a single pass, the scanners' 3 PMTs simultaneously receive and convert red, green and blue information into 36 bit data from the original, for precise RGB or CMYK output. This extreme sensitivity to each color pixels' density gives the ColorGetters one of the widest dynamic ranges of any desktop scanner, from 0.0 to 4.2 D Max. Resulting scans have far superior shadow and highlight detail compared to other drum or flatbed scanners.

The ColorGetter Eagle delivers high resolution of up to 8128 dots per inch (dpi) of true, non interpolated resolution across an 11" x 15" (27.9 cm x 38.1 cm) image area. Its 600 to 1200 rpm drum speed provides fast capture of any type of flexible media that mounts on a removable drum.

To build the award winning combination of Quality, Durability, and Affordability, Optronics ColorGetters are based on a vibration-free 217 lb. platform. A pure white arc lamp light source along with superior optics and automatic calibration combine to deliver the highest-quality drum scanner available today.

Optronics offers several software scanning solutions ranging from ColorRight™ for Macintosh to the latest cross-platform ColorRightPro™ that adds a range of specialized high end tools for PC, NT and Macintosh users. ColorRightPro features a 48-bit dynamic range interface which conforms to ColorSync ICC profiles, and supports easy calibration for both proof and press fingerprinting, along with auto descreening. *See our ColorRight data sheet for specific details.*

The ColorGetter Eagle is the worlds' leading desktop drum scanner. The professional scanner's choice for quality, durability and affordability, offering value and upgradeability that will help establish your reputation for producing high quality, no-compromise color, to increase new and repeat business.

The ColorGetter Eagle is simply the best possible scanning value you can buy.



High production environments will benefit from the ColorGetter Eagles' ability to capture the full richness and detailed beauty of original images and reproduce them at impressive new heights.

ColorGetter Specifications

11 x 15 image area (27.9 cm x 38.1cm)

8128 hardware resolution,

33,000 software interpolated resolution with ColorRightPro software

Up to 1200 RPM drum speed

Media carrier Removable rotating drum.

Input originals Transmissive and reflective, positive or negative color and black/white transparency and continuous tone prints or line art. Flexible to conform to a curved drum with coverage up to a maximum drum image area of 11 x 15 inches.

Apertures 26 automatic selections from 6.25 to 800 microns.

Color resolutions 12 bits per color, 4096 levels of gray. Yields up to 36 bits color capture with 12 or 8 bits / output to 16 bit Dynamic Range interface. Work modes include: 16 bit density to RGB, 16 bit density to CMYK with ColorSync Color Management standards.

Scan speed Dependent upon size of original, final output size, output screen frequency, and host system.

Data formats supported Hardware dependent including: Simultaneous RGB, Line sequential RGB, and Monochrome.

CPU Interface Macintosh PowerPC running Mac OS 7.6 or greater, and PCs running Windows 95 or Windows 98 and NT 4.0. All systems require a minimum 90MHz or faster processors with 32 to 64 Mbytes of available RAM or higher with 2 Gbyte, or larger hard drives.

Operator interface Via host-resident ColorRight Macintosh, ColorRightPro Macintosh, PC or NT software application. Software defines type of original, scan area, sampling interval, color separation, color correction curves, and expert level modes for Gray Balance. UCR, GCR, Dot Gain, with user definable LUTs, automatic press fingerprinting, automatic descreening, and unlimited interpolated resolutions depending on application installed.

Output file format RGB TIFF, CMYK TIFF in 8, 24, and 32 bit standards (compressed via LZW, JPEG and other methods) TGA, LAB, Alias Tile, IRIS IRG, SGI, DDES, CT and LW, and Scitex CT, Scitex 1-bit LW files via ColorRightPro software. Additional third party solutions also available.

Host interface IEEE 488 parallel GPIB PCI card

Focus control Variable focus via software aperture control

Light source User replaceable Metal Halide Arc lamp.

About Optronics

Optronics International Corporation, located in the Boston suburb of Chelmsford, Massachusetts, is a leader in precision imaging technology. Optronics has been manufacturing a wide range of products for over 30 years, including scanners, Computer-to-Plate systems, and hardware and software for the professional printing and publishing industry.



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Physical dimensions

Scan unit 45" wide x 24" deep x 14" high, (115 cm x 61 cm x 5), 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% non condensing.