

Scanning solution for professional photo labs and photo service providers

iQsmart³

high-resolution, high-productivity flatbed scanner



The professional iQsmart³™ scanner combines consistently sharp images, automation, and high speed to streamline and accelerate your photographic scanning workflow. It is especially suited to the professional photo lab where customers require very large images maintaining the color fidelity and sharpness of the original.

- high resolution: 10,000 dpi (5,500 dpi optical)
- XY Stitch: maximum optical resolution and consistent sharpness for any size original
- Inverted CCD: clean, sharp scans, increasing productivity while reducing retouching time
- oXYgen: powerful, flexible, easy-to-use scanning software
- Scan Once, Output Many (SOOM) workflow: true 16-bit color
- scans any original type: negative and positive film, reflective photos, and other originals up to A3+ (12x18 in)

Top quality scanning for professional results

The iQsmart³ scanner has a resolution of up to 10,000 dpi (optical 5,500 dpi) producing sharp scans, regardless of original photo size. Exclusive XY Stitch scanning technology assures consistent quality through sharper imaging for any type original, anywhere on the scanning bed. The Inverted CCD, an innovative downward-facing CCD, improves scan quality, while preventing fine dust particles from settling on the CCD surface.

Intelligent software and flexible workflow meet the most demanding needs of professional photographers and photo labs

oXYgen scanning software accelerates scanning production, and improves image capture with intelligent, automated features; it also has a full set of professional image-editing tools. Smart sharpness tables automatically apply sharpening while considering the scaling and original image type. With an iQsmart³ you can scan up to 96 35mm slides in one job, and run up to 85 scans an hour.

The SOOM (Scan Once, Output Many) workflow captures true 16-bit color digital transparency (DT) files, and stores them at full resolution for quick repurposing, without re-scanning.

You can scan for all types of workflows (including CMYK, RGB, 16-bit SOOM), online applications, and output devices. Intuitive, easy-to-understand presets give you professional results quickly—you determine the intended use of the scan, and the software sets the parameters accordingly.



Large format output

Superior optical resolution and enlargement capabilities enable printing large format photos without loss of details.

creo[™]

Scanning enhancements:

• oXYgen Open software

Increase productivity by running oXYgen Open software on any workstation. You can open, edit and re-purpose 16-bit color image files without the need of a scanner.

• Oil Mounting Station (optional)

Improve the scan quality of cracked or scratched originals by bathing them in scanning oil.

General Specifications

Technology

Flatbed CCD scanner
Tri-linear 10,200 element
XY Stitch scanning technology
Inverted CCD

Illumination

Transparent, reflective: cold cathode lamp

Types of Original

Transparent (positive and negative)
Reflective
Framed slides
Line art
Printed material
Halftone screened films

Thickness of Originals

Reflective – unlimited
Transparency – 5 mm (3/16 in)

Light table

Built in

Interface

Firewire/IEEE 1394

Imaging Specifications

Maximum resolution

10,000 dpi

Maximum optical resolution

5,500 x 10,000 dpi (for all original image sizes)

Scaling (at 300 dpi)

20-3300%

Color depth

48 bits (16-bit color depth)

Density (max)

4.1D

Density range

3.9D

Productivity

85 scans an hour (group scan mode)
6x7 cm, 250% at 300 dpi

Scanning area

A3+ 305 x 457.2 mm (12 x 18 in)

Output file formats

Creo: CT, LW, New LW
EPSF: normal, DCS 2, JPEG compression, CCITT compression
TIFF: RGB, CMYK, JPEG compression, JPEG

Workflow features

oXYgen scanning application – SOOM workflow
Parallel workflow
Full ICC color management
Rotation
Rescan
Auto detection
Direct scan
SmartSet™ function
Automatic image analysis
CMYK, RGB and USM (unsharp masking)
Image editing and proofing tools, including HLS color correction, LS curve, split screen and color masks

Archive mode

16-bit digital transparency (DT)



iQsmart³ scanner

Physical Specifications

Operating environment

Temperature

Operating	16 to 27 °C (61 to 80 °F)
Storage	-10 to 55 °C (14 to 131 °F)

Humidity

40 to 70% relative humidity (non-condensing)

Electrical requirements

Voltage

100 to 240 VAC, 50 to 60 Hz
Automatic voltage selection

Power consumption

Operating: 65W
Standby: 50 W

Physical characteristics

Size (HxWxD)

240 x 850 x 590 mm (9.4 x 33.5 x 23.2 in)

Weight

35 kg (77 lb)

Standards conformance

FCC, CE, ISO 9002

Training: (included with each scanner)

oXYgen Scanning Application Tutorial
oXYgen Training Application
Scanner Training

oXYgen scanning application

With intuitive controls, automated features, intelligent default settings and sophisticated imaging control, the Macintosh®-based oXYgen software puts the full imaging power of the iQsmart³ scanner in your hands.

Software Requirements

Apple® Power Macintosh G4

Mac OS 9.2 or OS X (version 10.2.3 Jaguar or later)

CD-ROM drive (required for software installation)

200 MB RAM for oXYgen scanning application (not including memory for the system software)

Minimum 2 GB of free internal hard disk space

24-bit color display

Minimum 17-in. color monitor with a display capability of millions of colors

Let's Talk

Contact your Creo representative to learn more about the iQsmart³ scanner and how it fits into a professional photo lab or photo service provider environment.

www.creo.com/scanners

About Creo

Creo (NASDAQ:CREO; TSX:CRE) is the world's largest independent supplier of prepress systems, with sales and support offices across the globe. Creo produces digital photography equipment; professional color and copydot scanning systems; variable information workflow systems; inkjet and halftone digital proofers;

computer-to-film and computer-to-plate devices; color servers for print-on-demand digital printers, and a comprehensive range of workflow, business management, networking, variable information, and creative software products. Creo is also an OEM supplier of on-press imaging technology and components for digital presses.

© 2003 Creo Inc. The products mentioned in this document are trademarks or service marks of Creo Inc. and may be registered in certain jurisdictions. Other company and brand, product and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. Data subject to change without notice.

Produced using Creo technology

creo[™]

www.creo.com

Creo Inc.

3700 Gilmore Way
Burnaby, British Columbia
Canada V5G 4M1
T. +1.604.451.2700
F. +1.604.437.9891

Creo Americas, Inc.

3 Federal Street
Billerica, MA 01821
USA
T. +1.978.439.7000
F. +1.978.439.7031

Creo Asia Pacific Ltd.

3/F 625 King's Road
North Point
Hong Kong
T. +852.2882.1011
F. +852.2881.8897

Creo EMEA, SA.

Waterloo Office Park
Drève Richelle 161
B-1410 Waterloo
Belgium
T. +32.2.352.2511
F. +32.2.351.0915

Creo IL Ltd.

P.O. Box 330
Herzlia Industrial Park
46103 Herzlia B
Israel
T. +972.9.959.7222
F. +972.9.950.2922

Creo Japan Inc.

Ikebukuro TG Homest Bldg.
1-17-8, Higashi-Ikebukuro
Toshima-ku, Tokyo
170-0013, Japan
T. +81.3.5954.9050
F. +81.3.5954.9055