

www.creo.com/iQsmart1

iQsmart¹

high-resolution, high-productivity professional flatbed scanner



The iQsmart¹® scanner combines sharp imaging with high-speed operation, giving you more time for creativity. Outperforming any other scanner in its price range, the iQsmart¹ enables creative professionals to capture high-quality digital images, accurately preserving the artistry of photographs.

- high resolution: 7,500 dpi (3,200 dpi optical)
- XY scanning technology: scans any image size, anywhere on the scanning bed at the original's maximum optical resolution
- true image archiving with raw 16-bit RGB toned file workflow
- inverted CCD: improved scanning performance
- oXYgen RGB scanning application: powerful, flexible and easy to use
- scans any original type: negative and positive film, reflective photos, and other originals up to A3+
- operates in both Windows® and Macintosh® environments

Advanced scanning technologies capture superior digital images delivering publication-quality results

The iQsmart¹ scanner produces scans at a maximum resolution of up to 7,500 dpi (a true optical resolution of up to 3,200 dpi). It features XY scanning technology, which ensures consistent sharpness across the entire scanning bed.

The Inverted CCD, an innovative downward-facing device, improves scan quality by preventing fine dust particles from settling on the CCD surface.

Powerful software and high-speed scanning enable creative professionals to apply all their artistic abilities

The oXYgen RGB software application accelerates scanning performance and productivity through ICC color management, automation, and a complete set of professional image-editing tools. Intelligent sharpness tables automatically sharpen images while considering the scaling and original image type.

With an iQsmart¹ scanner you can scan up to 96 35-mm slides in one job, and run up to 50 scans an hour. Intuitive, easy-to-understand presets provide quality results quickly. You determine the scan's intended use, and the software sets the parameters accordingly.

High image density, 16-bit toned image output, and vivid color reproduction enable the iQsmart¹ scanner to meet creative professionals' scanning needs at an affordable price.



creo[™]

iQsmart¹ Specification Highlights

General Specifications

Technology

Flatbed CCD scanner
Trilinear 10,200 element
XY scanning technology
Inverted CCD

Illumination

Transparent, reflective: cold cathode lamp

Original types

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

Original thickness

Reflective, unlimited;
Transparency, 4.5 mm (3/16 in.)

Interface

FireWire®/IEEE 1394

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: 65 W
standby: 50 W

Physical characteristics

Size (H x W x D):

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—Mac only
oXYgen training application—Mac only
Scanners training CD
Quick start guide

Imaging Specifications

Maximum resolution (optical)

3,200 x 7,500 dpi

Maximum resolution (interpolated)

7,500 dpi

Scaling (at 300 dpi)

20-2500%

Color depth

48 bits (16-bit color depth)

Density (max)

3.9

Density range

3.7

Productivity

50 scans per hour

Benchmark: 6 x 7 cm, 250% at 300 dpi

Scanning area

305 x 457.2 mm (12 x 18 in.)

Output file formats

Scitex: Scitex CT™, Scitex LW™, Scitex New LW™
EPSF: normal, DCS 2, JPEG compression, CCITT compression
TIFF: RGB 16-bit toned, CMYK with optional dongle, JPEG compression
JPEG

Application features

oXYgen RGB scanning application (Mac version)

Full ICC color management
Rotation
Rescan
Auto detection
Direct scan
SmartSet function
Automatic image analysis
CMYK (optional), RGB, and unsharp masking (USM)
Image editing and proofing tools, including HLS color correction, LS curve, and split screen
Group Scan Mode
Parallel workflow—optional
Full oXYgen CMYK tools—optional

oXYgen LE Windows scanning application

Full ICC color management
Image editing and proofing tools, including HLS color correction, split screen, and color masks
SmartSet function
Automatic image analysis
CMYK (optional), RGB, and USM (unsharp masking)

Resolution Per Format

	35 mm	6 x 6 cm	4 x 5 in.	8 x 10 in.	A4	A3
Maximum optical resolution	3,200 dpi	3,200 dpi	2,100 dpi	1,180 dpi	1,180 dpi	1,180 dpi
Maximum scanning resolution	7,500 dpi	7,500 dpi	2,100 dpi	1,500 dpi	1,500 dpi	1,500 dpi
Maximum enlargement	2,500%	2,500%	700%	500%	500%	500%

Scanner options:**Oil Mounting Station**

Oil mounting improves the scan quality of cracked or scratched originals.

CMYK application features: Full CMYK editing and scanning functionality is provided.

Parallel workflow: Optimize an image while scanning another for increased productivity (Mac version only).

Macintosh System Requirements

Apple® iMac®, Power Mac® G4, and Power Mac® G5
 Mac 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

oXYgen LE scanning application*

With intuitive controls, automated features, intelligent default settings, and sophisticated imaging control, Windows-based oXYgen LE software puts the full imaging power of the iQsmart¹ scanner in your hands.

*Soon to be released

Windows System Requirements

Intel® Pentium® III or IV processor with minimum speed
 of 866 MHz
 Microsoft® Windows® 2000 Service Pack 2 or Windows® XP
 CD-ROM drive (required for software installation)
 256 MB RAM for oXYgen scanning application
 1 GB free hard disk space
 24-bit color display
 Minimum 17-in. color monitor with a display capability
 of millions of colors
 Firewire/IEEE 1394 interface
 Image Color Management (ICM) version 2.0 or later

Note: The above requirements may change. Refer to the most recent software release notes for the current minimum system requirements.

Let's Talk

Contact your Creo representative to see how the professional scanning and workflow capabilities of iQsmart scanners can deliver the image quality and production speed that your business requires.

www.creo.com/iQsmart1

About Creo

Creo Inc. is a global company with key strengths in imaging and software technology. As the leading provider of prepress systems, Creo helps over 25,000 customers worldwide adopt digital production methods which reduce costs, increase print quality and allow

them to serve their customers more efficiently. Based in Vancouver, Canada, Creo employs more than 4,000 people and reported fiscal 2003 revenue of US\$578 million. Creo trades on NASDAQ (CREO) and the TSX (CRE). www.creo.com

© 2004 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