

[www.creo.com/iQsmart1](http://www.creo.com/iQsmart1)

# iQsmart<sup>1</sup>

quality, flexibility, and automation  
at an affordable price



Outperforming any other scanner in its price range, the iQsmart<sup>1</sup>® 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 software: 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 iQsmart<sup>1</sup> 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

oXYgen RGB software 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 iQsmart<sup>1</sup> scanner you can scan up to 96 35-mm slides in one job, and run up to 50 scans an hour\*. Intuitive, easy-to-use presets provide quality results quickly. You determine the scan's intended use, and the software sets the parameters accordingly.

High image density, 16-bit image output, and vivid color reproduction enable the iQsmart<sup>1</sup> scanner to meet creative professionals' scanning needs at an affordable price.

\* 50 scans per hour. Benchmark: 6 x 7 cm, 250% at 300 dpi in Productive Group Scan Mode.



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# iQsmart<sup>1</sup> Specification Highlights

## General Specifications

### Technology

Flatbed CCD scanner  
Trilinear 10,200-element CCD  
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 Scan--Application Learning Guide (Mac only)  
oXYgen training programs  
Color theory training programs  
Quick Reference 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)

### Maximum density

3.9D

### Density range

3.7D

### 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 software (for Macintosh)**  
Full ICC color management  
Rotation  
Rescan  
Auto detection  
Direct scan  
SmartSet function  
Automatic image analysis  
CMYK (optional) and RGB scanning modes  
Image editing and proofing tools, including HLS color correction, LS curves, split-screen views, color masks, and unsharp masking (USM)  
Productive Group Scan Mode  
Advanced negative end points tool  
Advanced end points toning tool  
Parallel workflow—optional (for Mac only)  
Full oXYgen CMYK tools—optional

### Archive mode

16-bit TIFF files

### oXYgen LE software (for Windows)

Full ICC color management  
Rotation  
Direct scan  
SmartSet function  
Automatic image analysis  
CMYK (optional) and RGB scanning modes  
Image editing and proofing tools, including HLS color correction, split-screen views, and USM (unsharp masking)  
Full oXYgen CMYK tools—optional

### Archive mode

16-bit TIFF files

## 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%

## Optional scanning enhancements:

### • Oil Mounting Station

Improve the scan quality of cracked or scratched originals by bathing them in scanning oil on a separate mounting station. The Oil Mounting Station is easy to use and can be operated while the scanner begins another job, further increasing productivity.

### • CMYK Scanning Workflow kit

Edit images and scan directly in CMYK.

### • Extended Workflow kit (for Mac only):

Optimize an image while scanning another for increased productivity.

### • oXYgen LE software

With intuitive controls, automated features, intelligent default settings, and sophisticated imaging control, Windows®-based oXYgen LE software puts complete imaging power in your hands.

#### Macintosh System Requirements

Apple iMac, Power Mac G4, and Power Mac G5  
 Mac OS X (version 10.3.x Panther)  
 CD-ROM drive (required for software installation)  
 200 MB RAM for oXYgen RGB software  
 (not including memory for the system software)  
 Minimum 2 GB of free internal hard-disk space  
 24-bit color display  
 Minimum 17-inch color monitor with a display capability of millions of colors and a resolution of 1024 x 768 pixels

#### 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 Le software  
 1 GB free hard-disk space  
 24-bit color display  
 Minimum 17-inch color monitor with a display capability of millions of colors and a resolution of 1024 x 768 pixels  
 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 for more information on the iQsmart<sup>1</sup> scanner and optional scanning enhancements.

[www.creo.com/scanners](http://www.creo.com/scanners)

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#### 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 that reduce costs, increase print quality, and allow them to serve their customers more efficiently. Based in Vancouver, Canada, Creo reported fiscal 2004 revenue of US\$635.8 million. Creo trades on NASDAQ (CREO) and the TSX (CRE).

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