

COUGAR Sx 25"

The two COUGAR Sx 25" scanner models differ in performance and can be easily upgraded with new features for future requirements through the Smart-Card Upgrade Kit.

COUGAR Sx 25"

WIDE FORMAT COLOR SCANNERS

COUGAR Sx 25" Wide Format Color Scanner Models		BASE	PLUS
Maximum Resolution:	(in dpi):	800	2400
Optical Resolution:	(in dpi):	424	424
Scan Accuracy:	0.1%+-1pixel	✓	✓
Variable resolution setting:	from 50 dpi in one dpi increments	✓	✓
Scanning Speed inch/sec.:	(400dpi turbo, 24-bit RGB)	0.5"/s	1.5"/s
	(400dpi turbo, 8-bit index)	1.5"/s	1.5"/s
	(400dpi turbo, Graytone and B/W)	4.0"/s	4.0"/s
Media Maximum Width:	28" (711 mm.)	✓	✓
Maximum Thickness:	0.6" (15 mm.)	✓	✓
Scan Width:	25" (635 mm.) Scan length: not limited by scanner	✓	✓
Digital Image Processing embedded in hardware:	Dual 2D-Adaptive Enhancement	✓	✓
	Dual 2D-Adaptive Gray	✓	✓
	ADL+ Error Diffusion Halftoning	✓	✓
	2D-Sharpening, 2D-Softening and 2D-Blur Filter	✓	✓
	Color Feature Extraction	✓	✓
	2D-Adaptive Thresholding	✓	✓
Scan Modes:	24-bit color	✓	✓
	8 bit Feature Extraction/Indexed color	✓	✓
	8-bit Graytone	✓	✓
	Copy modes with Grayshades	✓	✓
	1-bit black-and-white	✓	✓
	B/W Dual 2D-Adaptive Modes	✓	✓
Color Adjustment:	3x3 matrix multiplier	✓	✓
	Independent RGB tone curves (Gamma)	✓	✓
	Independent black-and-white point setting	✓	✓
Color Space:	NTSC	✓	✓
	sRGB	✓	✓
3C Auto-Maintenance System:	Basic Calibration	✓	✓
	Precision Color Calibration	✓	✓
	Auto monitoring and correction (black-and-white point)	✓	✓
Sensors:	Single tri-linear color CCD	✓	✓
	10.680 pixels	✓	✓
	48 bits of color data capture	✓	✓
	16 bits of graytone data capture	✓	✓
	All digital camera	✓	✓
One Touch Scanning:	Scan	✓	✓
	Copy	✓	✓
	Email	✓	✓
Advanced Power Management:	Temperature Control	✓	✓
	Low Power Mode	✓	✓
	Programmable power up timer	✓	✓
All-Wheel-Drive:	Contour Adjustment	✓	✓
	Precision Rollers	✓	✓
Light Source:	Color matched fluorescent lamps Color Rendering Index (CRI)>95	✓	✓
Optics:	Torsion stabilized for portability	✓	✓
Interface:	FireWire	✓	✓
	USB 2	✓	✓
	STI (Still Image Interface) and WIA (Windows Image Acquisition) support	✓	✓
Dimensions:	38.3" wide x 7.3" high x 18.3" deep (972 x 185 x 465 mm.) Weight: 40 kg	✓	✓
Power:	110/220/240V, 60/50 cs, 180W	✓	✓
Interface Board (Included):	FireWire	✓	✓
WIDeSystem Kit (Included) :	Drivers, NET server/client, Maintenance software, Maintenance Sheet	✓	✓
Copy Software (Optional):	JETimage ^{NET}	✓	✓
Scan Software (Optional):	WIDeimage ^{NET}	✓	✓
Floor Stand (Optional):	Includes document basket	✓	✓
Host Platforms:	Windows and Power Macintosh – See www.contex.com for supported OS with selected interface connection	✓	✓

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SCANNING TECHNOLOGY



SCANNING

- Fast color and monochrome scanning
- 48 bit color capture for photo-realistic vivid colors
- 16 bit graytone capture for perfect reproduction of grayshades
- All-Wheel-Drive with contour adjustment
- Thick originals – up to 0.6"
- Flexible Plug 'n' Play connectivity - FireWire and USB2
- Scan to PDF format option
- Scan to network, also across the internet

COPYING

- 3C Automatic Maintenance System
- Color matching to printer & media
- Advanced options for printing of grayshades
- Built-in Basic calibration – black-and-white points
- Built-in Precision Color calibration

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SCANNING TECHNOLOGY

COUGAR Sx 25"

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SCANNING TECHNOLOGY

The Contex COUGAR Sx 25" wide-format color scanners incorporate the latest in imaging technology for high-quality full color scanning and copying.

These compact scanners will fit in any office and are perfect devices for creating in-house graphics and impressive presentations right off the desktop. Now graphics and designer firms can scan and copy full sized prototypes for packaging, advertisements and trade show decorations.

This scanner is the right investment for Sign Companies, Pre-press shops, Photo Labs, Copy shops, POP/Exhibit/Display Providers, Architect and Engineer offices.



Scanning Superiority

The COUGAR Sx 25" scanner creates images in photorealistic colors, high-quality grayscale and crisp, clear black-and-white. Color is captured at 48 bits for maximum color precision, passing the best 24 bits of color data to the computer to enhance color fidelity. The scanner uses an All-Digital camera with advanced point-of-origin color capture and on-board digital conversion ensuring minimum noise and an extended dynamic range. Quality color matched fluorescent lamps ensure the market's highest standards for color correctness. Graytones are captured at 16 bits for maximum precision, passing the best 8 bits of graytone data to the computer. The COUGAR Sx 25" can scan up to 0.6-inch (15mm.) thick originals such as posters mounted on foamboards, gatorboards etc.

Accuracy Lens Enhancement Technology (ALE)

With this scanner, GIS professionals, CAD and other specialized markets get a very high grade of precision stability in the scanned image. Contex has taken scanning precision to new levels by developing patented Accuracy Lens Enhancement (ALE) technology that electronically maintains 0.1% +/- pixel precision across any two points of the scan line thus exceeding even the most rigid requirements in the industry today.

Care for your original

The scanner's All-Wheel-Drive has been designed to ensure high standards for a perfectly straight scanning path with an optimal hold across the whole width of large documents. Contour adjustment and broad synchronized rollers ensure a perfectly straight scanning path without using unnecessary force so you avoid both image distortion and damage to your customer's fragile originals.

One Touch Scanning

The COUGAR Sx 25" operator's panel is designed with convenient programmable action buttons for initiating common tasks directly from the scanner. Each button immediately activates a scan and opens the image in an appropriate application and format. The scanner comes with action buttons for scanning, copying and e-mailing loaded originals and can be reconfigured for other tasks.

Image Enhancement Power

The COUGAR Sx 25" contains advanced technology for color and monochrome enhancement. The patented B/W adaptive thresholding works simultaneously on foreground, background, edges and other individual aspects of the original so you produce clean, crisp scans even from poor quality drawings. All processing is embedded in the hardware enabling you to perform powerful image enhancement without overhead and at speeds incomparable to standard software processing.

Copying Made Easy

Connect the COUGAR Sx 25" scanner with a large-format printer and you get the perfect large format color and monochrome digital copier. With the scanner's high precision of details and colors, users can enlarge their creations to full display sizes without losing quality. Use JETimage Copy Software with its Precision Color Management or other color RIP packages to achieve excellent color-matched output on large-format printers. Special monochrome copy modes, each fitted to specific original types are supported by the scanner's digital processing.

Flexible Connectivity

The COUGAR Sx 25" scanner lets you fit the connection to your immediate needs by offering two efficient Plug and Play (PnP) interface options - FireWire and the industry standard USB 2. Contex scanners protect your investment with support for STI (Still Image Interface) ensuring problem-free compatibility with current and future versions of Windows.

Precision Color

A new wide format scanner comes calibrated from the factory, but as time goes by, components and lamps will change character and affect color output. The unique Precision Color system lets you maintain perfect color results by harmonizing current scanning factors. You can calibrate in the field at any time, so you are always ensured stable and predictable color output.

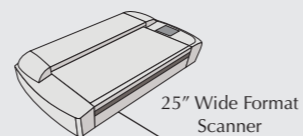
Automatic Scanner Maintenance

The COUGAR Sx 25" scanner incorporates the Contex 3C Auto-Maintenance system that keeps the camera perfectly tuned and calibrated for optimal image quality. The process is automatic - just insert the maintenance sheet and click the wizard's button to perform full camera calibration. Using patented Contex technology, black-white-points are constantly monitored and corrected while your scanner is running letting you concentrate on your work and take optimal scanner performance for granted.

Scan 2 Net Architecture

WIDEimage^{NET} Scanning Software

- Prescan and preview
- File format conversion
- Scan-to-PDF with option for quality settings
- Tonal adjustment controls
- Rotation & alignment
- Precision measuring
- Viewing and zooming
- Batch scan
- Fast viewer
- Post-scanning imaging tools
- Feature extraction editor



Internet

WIDEsystem Scan



Ethernet

JETimage^{NET} Copy Software

- Large-format copying in 5 easy steps
- Standard presets for common tasks
- WYSIWYG previewing
- Real-time previewing of parameter adjustment
- Collate copy
- Touchscreen support
- CMY, CMYK, CMYKcm support
- Nesting, tiling & paneling
- Accounting
- Scan to file
- Scan-to-PDF with option for quality settings
- Print from file/file lists
- Copy on parallel printers

WIDEsystem^{NET} Software

- Scanner status monitoring
- Usage and maintenance times in log
- Scanner timer setup for automatic power-up/ power-down
- Scanner device information - firmware, hardware revisions
- Scan-to-net server setup
- Scan-to-net client setup
- Scan-to-net authorization setup



WIDEsystem Scan Clients



WIDEsystem Scan Clients