

CHAMELEON Sx 25"

The CHAMELEON Sx 25" BASE and PLUS scanner models differ in performance from entry level to high-end. The BASE scanner models can easily be upgraded to the PLUS scanner models through the Smart-Card Upgrade Kit.

CHAMELEON Sx 25" Wide Format 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)	-	0.3"/s
	(400dpi turbo, 8-bit index)	-	0.8"/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	√	√
	2D-Adaptive Thresholding	√	√
	Color Feature Extraction	-	√
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

CHAMELEON Sx 25"
WIDE FORMAT SCANNERS

SCANNING

- Upgradeable from monochrome to color
- Crisp, clear black-and-white scanning
- 16 bit graytone capture for perfect reproduction of grayshades
- Photo-realistic vivid colors on PLUS model
- 48 bit color capture on PLUS model
- 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
- Advanced options for printing of grayshades
- Color matching to printer & media on PLUS model
- Built-in Basic calibration – black-and-white points
- Built-in Precision Color calibration (PLUS model)

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CHAMELEON Sx 25"

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

The CHAMELEON Sx 25" scanners are designed to introduce professionals to wide format document scanning at a highly affordable price while keeping their options open. The CHAMELEON Sx 25" represents a safe investment because, like the reptile, this CHAMELEON can adapt if the need arises.

These compact 25" scanners will fit in any office and are perfect devices for creating in-house graphics and impressive presentations right off the desktop. 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.

Upgradeable from Monochrome to Color

The CHAMELEON Sx 25" BASE monochrome scanners can easily be upgraded to the CHAMELEON Sx 25" PLUS color models through the Smart Card Upgrade Kit enabling users to gain quality color scanning capabilities without suffering the heavy cost of a whole new device. Now small companies get a chance to enjoy wide format document scanning at a low budget risk with a scanner that can grow with their business.

Monochrome Scanning and Copying Superiority

The CHAMELEON Sx 25" scans graytones at 16 bits passing on the best 8 bits to the computer for very high grayshade precision. The CHAMELEON Sx 25" scanners use an All-Digital camera with on-board digital conversion ensuring minimum noise and an extended dynamic range. Special enhancement modes let you make clear copies of drawings, blueprints, sepias and photos. The CHAMELEON Sx 25" can scan up to 0.6-inch (15mm) thick originals such as posters mounted on foamboards, gatorboards etc.

Vivid Colors with the CHAMELEON Sx 25" PLUS

The high-end CHAMELEON Sx 25" PLUS model packs all the monochrome capabilities of the CHAMELEON 25" BASE model but can in addition create images in vivid photo-realistic colors. Color is captured at 48 bits for very high color precision, passing the best 24 bits of color data to the computer. Connect the CHAMELEON Sx 25" PLUS scanner to a large-format color printer and you get the perfect digital color copier. The scanner's high precision of details and colors lets you enlarge your creations to full display sizes without losing quality. Use JETimage Copy Software or other color RIP packages to achieve excellent color matched output on large-format printers. Quality color matched fluorescent lamps ensure the market's highest standards for color correctness.

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 CHAMELEON 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 CHAMELEON 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.

Flexible Connectivity

The CHAMELEON 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 on the CHAMELEON Sx 25" PLUS, 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 CHAMELEON 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.

