

The two CHAMELEON Tx 36" scanner models differ in performance. The BASE model can easily be upgraded with new features for future requirements through the Smart-Card Upgrade Kit.

CHAMELEON Tx 36" Wide Format Color Scanner Models		BASE	PLUS
Maximum Resolution:	(in dpi):	800	2400
Optical Resolution:	(in dpi):	400	400
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	0.3"/s
	(400dpi turbo, 8-bit index)	1.5"/s	1.5"/s
	(400dpi turbo, Graytone and B/W)	3.0"/s	6.0"/s
Media Maximum Width:	43" (1092 mm)	✓	✓
Maximum Thickness:	0.6" (15 mm)	✓	✓
Scan Width:	36" (914 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-Sharpener, 2D-Softener 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:	Auto-alignment to fraction of a pixel	✓	✓
	Auto-stitching to fraction of a pixel	✓	✓
	Basic Calibration	✓	✓
	Precision Color Calibration	✓	✓
	Auto monitoring and correction (stitching, black-and-white point)	✓	✓
Sensors:	Double 4-linear CCDs (RGB triplets+Panchromatic BW)	✓	✓
	15.000 pixels	✓	✓
	42 bits of color data capture	✓	✓
	14 bits of graytone data capture	✓	✓
	All digital cameras	✓	✓
One Touch Scanning:	Scan	✓	✓
	Copy	✓	✓
	Email	✓	✓
Advanced Power Management:	Temperature Control	✓	✓
	Low Power Mode	✓	✓
	Programmable power up timer	✓	✓
All-Wheel-Drive:	Contour Adjustment	✓	✓
	Broad Precision Rollers	✓	✓
Light Source:	Color matched fluorescent lamps Color Rendering Index (CRI)>95	✓	✓
Optics:	Torsion stabilized for portability	✓	✓
Interface:	FireWire	✓	✓
	Ultrafast SCSI	✓	✓
	STI (Still Image Interface) and WIA (Windows Image Acquisition) support	✓	✓
Dimensions:	52.9" wide x 7.3" high x 18.3" deep (1342 x 185 x 465 mm.) Weight: 57kg	✓	✓
Power:	110/220/240V, 60/50 cs, 180W	✓	✓
Interface Board (Included):	FireWire	✓	✓
WIDSystem 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	✓	✓
Thick Media Support Table (Optional):	Floor stand required	✓	✓
Host Platforms:	Windows and Power Macintosh – See www.contex.com for supported OS with selected interface connection	✓	✓

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Contex Scanning Technology

2 Svanevang
DK-3450 Alleroed, Denmark
3200 Inland Empire Blvd., Suite 160
Ontario, CA 91764, USA
info@contex.com

Tel: +45 48 14 11 22
Fax: +45 48 14 01 22
Tel: +1 (909) 466-4006
Fax: +1 (909) 466-4206
www.contex.com

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SCANNING TECHNOLOGY

CHAMELEON Tx 36"

WIDE FORMAT COLOR SCANNERS



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

SCANNING

- Fast monochrome scanner with added color capabilities
- Crisp, clear black-and-white
- 14 bit graytone capture for perfect reproduction of grayshades
- 42 bit color capture for photo-realistic vivid colors
- All-Wheel-Drive with contour adjustment
- Thick originals – up to 0.6"
- Flexible connectivity - FireWire Plug 'n' Play and SCSI
- Scan to PDF format option
- Scan to network, also across the internet

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SCANNING TECHNOLOGY

CHAMELEON Tx 36"

WIDE FORMAT COLOR SCANNERS

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The Contex CHAMELEON Tx 36" scanners are designed to give professionals the best in high speed monochrome scanning with the additional feature of quality color scanning for special jobs.

The scanner's 36" imaging area handles E-size/A0 engineering drawings, architectural sketches, blueprints, sepias, detailed maps, drawings and large color posters.

With highly fast and effective monochrome scanning and the option to scan in perfect color, these highly affordable devices offer a cost-effective solution for CAD, AEC and GIS professionals worldwide.



Scanning Superiority

This professional scanner meets all your wide-format scanning needs with high-quality grayscale, crisp, clear black-and-white and photorealistic colors. An image depends on its many graytones to bring out details and give it depth. On the CHAMELEON Tx 36", graytones are captured at 14 bits for maximum precision, passing the best 8 bits of graytone data to the computer. For color scanning, perfect color fidelity is ensured by capturing 42 bits of color data and passing the best 24 bits to the computer. The scanner uses All-Digital cameras 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. The scanner's unique four-linear CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome.

The CHAMELEON Tx 36" 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 CHAMELEON Tx 36" All-Wheel-Drive has been designed to ensure Contex high standards for a perfectly straight scanning path with an optimal hold across the whole width of even very 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 Tx 36" 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 Tx 36" 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 CHAMELEON Tx 36" 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. Getting the right settings for your copy job is easy. Special monochrome copy modes, each fitted to specific original types are supported by the scanner's digital image processing. This scanner is the perfect input device for copying of graphics, posters and complex maps in only a few minutes with fully adjustable graytone and color parameters.

Flexible Connectivity

The CHAMELEON Tx 36" scanner lets you fit the connection to your immediate needs by offering two interface options - the highly efficient and convenient Plug and Play (PnP) FireWire connection and the industry standard SCSI interface. 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 CHAMELEON Tx 36" scanner incorporates the Contex 3C Auto-Maintenance system that keeps your cameras perfectly aligned, adjusted and calibrated for optimal image quality. The process is automatic - just insert the maintenance sheet and click the wizard's start button. The 3C Auto-Maintenance system aligns and stitches your cameras to a fraction of a pixel giving the highest wide format image precision available. Using patented Contex technology, camera stitching and 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.

