

CHAMELEON Tx 36"

The two CHAMELEON Tx 36" scanner models differ in performance and can be easily 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% ±1 pixel	✓	✓
Variable Resolution Setting:	from 50 dpi in one dpi increments	✓	✓
Scanning Speed inch/sec.:	(400 dpi turbo, 24-bit RGB) (400 dpi turbo, 8-bit Index) (400 dpi turbo, B/W)	0.3"/s 1.5"/s 3.0"/s	0.3"/s 1.5"/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-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:	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 graytone data capture All-Digital cameras	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
One Touch Scanning:	Scan Copy Email	✓ ✓ ✓	✓ ✓ ✓
Advanced Power Manager:	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 Ultrafast SCSI STI (Still Image Interface) support	✓ ✓ ✓	✓ ✓ ✓
Dimensions:	52.9" wide x 7.3" high x 18.3" deep (1342 x 185 x 465 mm.), Weight: 57 kg	✓	✓
Power:	110/220/240V, 60/50cs, 180W	✓	✓
Interface board (Included)		✓	✓
WIDSystem Kit (Included):	Drivers, Scan Client application, 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 98, 98SE, ME, NT4, 2000, XP with SCSI Windows ME, 2000, XP with FireWire Power Macintosh	✓ ✓ ✓	✓ ✓ ✓

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SCANNING TECHNOLOGY

CHAMELEON Tx 36"

WIDE FORMAT COLOR SCANNERS



COPYING

- 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
- 3C Automatic Maintenance System
- Scan to PDF format option
- Scan to network, also across the internet

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CHAMELEON Tx 36"

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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 option of quality color scanning for special jobs.

The scanner's 36" imaging area handles large 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 photo-realistic 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 CHAMELEON Tx 36 uses All-Digital cameras with advanced point-of-origin capture and on-board digital conversion ensuring minimum noise and an extended dynamic range. The scanner's unique four-linear CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome. Quality color matched fluorescent lamps ensure the market's highest standards for color correctness.

The CHAMELEON Tx 36 can scan up to 0.6-inch (15mm.) thick originals such as drawings, maps and posters mounted on foamboards, gatorboards etc.

One Touch Scanning

The CHAMELEON Tx 36's 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.

Care for your original

The Contex All-Wheel-Drive with contour adjustment and precision rollers ensures a perfectly straight scanning path without using unnecessary force so you avoid both image distortion and damage to your customer's fragile originals.

Dual shared axels synchronize roller movement to ensure a straight and stable scan path. Suspension components apply pressure evenly across the whole width of the document for an optimal yet delicate hold. The roller's soft-friction contact surface adds the final touch to a system that cares for your original and for your scan results.

Image Enhancement Power

The CHAMELEON Tx 36's on-board real time 2D-filters for sharpening, softening and blur provide superior results with a wide variety of input images. The CHAMELEON Tx 36 supports the latest in monochrome scanning technology with Dual 2D-Adaptive enhancement that works simultaneously on foreground, background, edges and other individual aspects of the original so you produce clean, crisp scans even from poor quality drawings. Dual 2D-Adaptive process-

ing is the only pixel level cleanup of its kind in the industry today. 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, graytones 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 copy modes, each fitted to specific original types are supported by the scanner's digital image processing. Dual 2D-Adaptive enhancement and ADL+ error diffusion halftoning produce reliable copies of drawings and photos in which even subtle differences between shades of gray are maintained in the printed output. The unique Contex Dual 2D-Adaptive Gray copy mode gives users clean, clear printed output by taking full advantage of the ink-jet printer's high resolutions.

The CHAMELEON Tx 36 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. JETimage copy software utilizes the scanner's built-in features including image enhancement, copy modes and color matching. With JETimage you can print simultaneously on several printers and its straightforward touchscreen user interface and real-time preview features provide the basis for building high performance copy systems for users with minimal computer skills.

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. With the FireWire interface you can get your scanner running with plug-and-play ease while achieving optimal scanning speed. FireWire can accommodate 400 megabits per second, which is highly effective for high volume scanning of large-formats. The standard SCSI connection can be used for



computers without FireWire support. 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 may come calibrated from the factory, but as time goes by, components and lamps will change character and affect color output. With a Contex scanner, your investment is fully protected and you need not worry about degradation. The unique Precision Color system lets you calibrate in the field at any time ensuring stable and predictable color output. The CHAMELEON Tx 36 scanner is calibrated to both sRGB and NTSC color spaces using an ANSI IT8 calibration target. Furthermore, the Contex automatic black-and-white point monitoring allows users to get an optimal dynamic range of color fidelity tailored to the actual scanned original.

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. Basic-Calibration sets black-and-white points on each individual pixel and ensures linearity in both highlight and shadow areas giving noise-free and stable scans at all resolutions. Precision Color calibration completes the 3C Auto-maintenance system process.

Once the scanner has been fine-tuned, it performs a number of basic tasks on its own, removing those tedious chores required with other scanner systems. Using patented Contex technology, camera stitching and black-white-points are constantly monitored and corrected while your scanner is running. Contex scanners are designed to let you concentrate on your work and take optimal scanner performance for granted.

Advanced Power Management

Running with the right internal temperature is of utmost importance when doing high-quality scanning through sensitive CCDs. The CHAMELEON Tx 36 scanner has Advanced Power Management that rapidly brings the scanner to its optimal working temperature, after which the temperature is monitored and held at a minimum level ensuring low CCD noise. The Advanced Power Management system also lets users leave the scanner in low-power mode and program it to power up automatically before they arrive at work so the scanner is ready to scan right away.

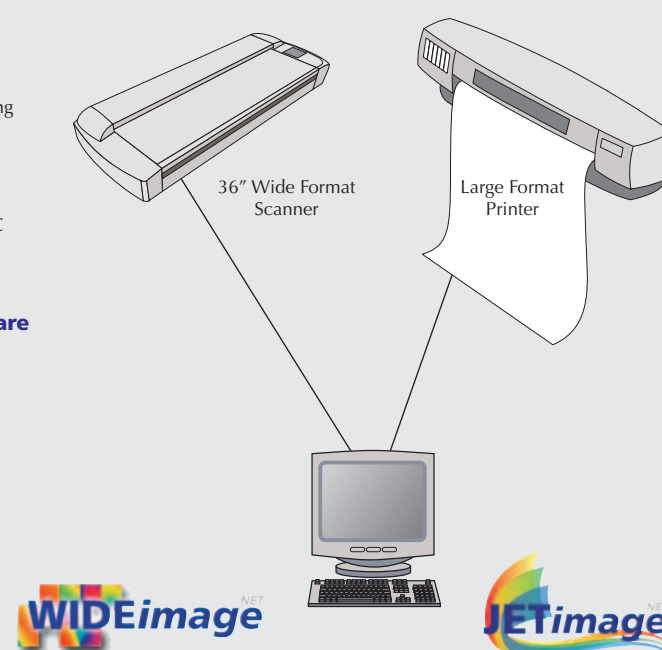
CHAMELEON Tx Scan and Copy System

SCAN

- Doubles as both high-quality monochrome and color scanner.
- Effective, fast digital image processing embedded in the hardware.
- Dual 2D-Adaptive image enhancement.
- 2D-sharpening, softening, blur.
- Color calibration to sRGB and NTSC color spaces.
- Automatic maintenance system.

WIDEimage Scanning Software

- Prescan and preview.
- File format conversion.
- Scan to PDF with option for quality settings.
- Scan to network, also across the internet.
- Tonal adjustment controls.
- Rotation & alignment.
- Precision measuring.
- Viewing and zooming.
- Batch scan.
- Fast Viewer.
- Post-scanning imaging tools.
- Feature extraction editor.



WIDEimage

JETimage

COPY

- Perfect results with normal drawings, sepias, blueprints and photos.
- ADL+ error diffusion halftoning for maintaining gray shades in copies.
- Dual 2D-Adaptive Gray.
- Excellent color quality and resolution with JETimage or other color RIP.
- Full compatibility with large-format printers.

JETimage 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.
- Scan to network, also across the internet.
- Print from file/file lists.
- Copy on parallel printers.

