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Large Format Imaging Solutions

IDEAL/Contex CHAMELEON G600

Energy Efficient Color Scanners

Basic model: 36" wide, 1200 DPI, scans 12.0 IPS in monochrome and 0.6 IPS in color

Plus model: 36" wide, 9600 DPI, scans 12.0 IPS in monochrome and 1.0 IPS in color



APPLICATIONS

The IDEAL/Contex CHAMELEON G600 Scanners are designed to introduce professionals in the CAD, A/E/C, In-House Repro, Sign, Pre-press, Copy, POP and Display markets to a wide format color document scanner at an affordable price. The IDEAL/Contex CHAMELEON G600 Scanners can be used for color classification for vectorization, storage, retrieval, conversion to CAD, populating an online planroom, and scan-to-print. It can efficiently

rasterize drawings up to 36" wide (E-Size) by any length on media up to 0.6" thick. The IDEAL/Contex CHAMELEON G600 Scanners can be used stand-alone or as an integrated component of a customized solution. These scanners are Energy Star and RoHS compliant.

FEATURES

- Energy Star Compliant
- 36" Wide Image Area
- Front-loading Increasing Productivity
- Handles Media up to 0.6" Thick
- All-Wheel-Drive with contour adjustment
- FireWire and USB2 Connectivity
- Automatic Camera Alignment
- Programmable Buttons for Scanning, Copying, and Emailing
- Accuracy Lens Enhancement Technology
- Supports monochrome and color scanning applications

COLOR ACCURACY

The IDEAL/Contex CHAMELEON G600 Scanners support monochrome and color scanning. Color is captured at 48 bits for maximum color precision, passing the best 24 bits of color data to the computer. This scanner is front-loading, and scans with unparalleled accuracy, +/- 0.1% in both the X and Y-axis to ensure the most accurate scan possible. The IDEAL/Contex CHAMELEON G600 Scanners include a thirty-day timed out version of JETimage NET. This copier interface takes advantage of the scanners Dual 2-D Adaptive Enhancement features with Area Diffusion Logic and Error Diffusion Half-toning which allows documents containing mixed photographic and line-art (including text) areas to be captured with greater detail. JETimage NET also has advanced scan to print features that support advanced layout options such as paneling, tiling, and nesting of printed output as well as tracking capability of paper and copying usage. This new scanner incorporates the 3C Auto-Maintenance system that keeps the cameras perfectly aligned, adjusted, and calibrated for optimal image quality. The 3C Auto-Maintenance system aligns and stitches the cameras to a fraction of a pixel giving the highest wide format image precision available.

ACCURACY LENS ENHANCEMENT TECHNOLOGY

The IDEAL/Contex CHAMELEON G600 Scanners use Accuracy Lens

Enhancement Technology (ALE) that electronically maintains 0.1% +/- 1 pixel precision across any two points of the scan line thus exceeding even the most rigid requirements. With these scanners there is a very high grade of precision stability in the scanned image.

HIGH PERFORMANCE SCANNING

The IDEAL/Contex CHAMELEON Scanners have variable resolution settings from 50 to 1200 for the Basic Model and 50 to 9600 dpi for the Plus Model, selectable in one dpi increments to match user requirements. The Plus Model scanner can scan a typical E-Size monochrome original at 12.0" per second at 400 dpi turbo and a typical E-Size color original at 1.0" per second at 400 dpi turbo. For scan-to-file applications, the IDEAL/Contex CHAMELEON G600 Scanners require WIDEimage NET, the operating software for scanning. The scanned raster images obtained from the IDEAL/Contex CHAMELEON G600 Scanners can be edited in raster or converted to DXF vector files with **WiselImage**, an optional software package from IDEAL. The IDEAL/Contex CHAMELEON Scanners support FireWire and USB2 connectivity.

SCAN, INDEX, AND EDIT

ScanOS provides single-field indexing for every document scanned, and automatically generates the filename, time & date, and the computer operator's name to the database record. **ScanOS** stores drawings and index data in an ODBC compliant archive in many formats including PDF, TIFF, JPEG, and BMP. Edit drawings in raster with the same ease as editing a CAD file using **WiselImage**, an optional intelligent raster editing software package from IDEAL. **WiselImage** is a powerful drawing editor that performs raster to vector conversion and OCR.

SCAN, SHARE, AND PRINT

Provide instant network access of scanned drawings with **IDEAL ArchiveCenter for Workgroups**. Archive large format drawings on a company intranet or a secure, password protected Internet with **IDEAL ArchiveCenter for Enterprise**. Search, retrieve, view, and print large format drawings using only a standard web browser. ArchiveCenter can be upgraded to **IDEAL Online PlanRoom** for bid management, project management, and ordering drawings.

Looking to turn your inkjet into a digital copier? Scan large format color originals with heavy detail and print them out to any inkjet plotter without losing any details. The IDEAL/Contex CHAMELEON G600 Scanners are the perfect front-end to any Windows-based inkjet plotter. Use the optional Copy Kit to mount your PC and touch screen directly on the scanner for a convenient scan to print system.

NEED HELP DECIDING?

An IDEAL sales representative can help you decide which solution provides you with the best value for your needs. Call IDEAL at 1-888-524-3325 or email sales@ideal.com.

IDEAL/Contex CHAMELEON G600 Specifications

Basic Plus

		Basic	Plus
Enhanced Resolution:	(in dpi)	1200	9600
Resolution:	(in dpi)	600	600
Scan Accuracy:	0.1% +- 1 pixel	●	●
Variable Resolution Setting:	from 50 dpi in one dpi increments	●	●
Scan Speed:	400dpi Turbo, 24 bit RGB scans	0.6"/s	1.0"/s
Scan Speed:	400dpi Turbo, 8 bit Index color scans	1.5"/s	1.5"/s
Scan Speed:	400dpi Turbo, B/W scans	12.0"/s	12.0"/s
Media Maximim Width:	43" (1092 mm.)	●	●
Media Maximum Thickness:	0.6" (15mm)	●	●
Scan Width:	36" (914 mm.)	●	●
Digital Image Processing:	Dual 2D-Adaptive Enhancement	●	●
	Dual 2D-Adaptive Gray	●	●
	ADL+ Error Diffusion Halftoning	●	●
	2D-Sharpeneing/2D-Softening/2D-Blur Filter	●	●
	2D-Adaptive Thresholding	●	●
	Color Feature Extraction	●	●
Scan Modes:	24-bit color, 8 bit Feature Extraction/indexed color	●	●
	8 bit graytone mode with 256 gray levels	●	●
	Copy modes with grayshades	●	●
	B/W Dual 2D-Adaptive mode	●	●
	1 bit black-and-white	●	●
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 a fraction of a pixel	●	●
	Auto-stitching to a fraction of a pixel	●	●
	Basic Calibration	●	●
	Precision Color Calibration	●	●
	Auto monitoring and correction (stitching, black-and-white point)	●	●
Sensors:	Triple 4-linear CCDs (RGB triplets+Panchromatic BW)	●	●
	77,000 pixels (RGB triplets)	●	●
	48-bits of color data capture	●	●
	16 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:	Precision rollers & contour adjustment	●	●
Light source:	Color matched fluorescent lamps CRI>95	●	●
Optics:	Torsion stabilized for portability	●	●
Interface:	FireWire, USB2	●	●
	STI (Still Image Interface), WIA (Windows Image Acquisition)	●	●
Dimensions:	52.9" w x 7.3" h x 18.3"d (1342 x 185 x 465 mm.), 125.7 lbs, 57 kg	●	●
		●	●
Power:	110/220/240V, 60/50cs, 180W	●	●
WIDEsystem Kit (included):	Drivers, Scan2Net, Maintenance software, Maintenance sheet	●	●
Optional:	Stand with Document Basket, Thick Media Support Table, Copy Kit to mount Touch Screen & PC advanced Scan to Print software, Touch Screen, WisImage, Online PlanRoom, JETimage ^{NET} , WIDEimage ^{NET} , ArchiveCenter for Workgroups, ArchiveCenter for Enterprise, ScanOS	●	●
		●	●
		●	●
		●	●
Platforms Supported:	Windows and Power MacIntosh	●	●