IDEAL.com
Large Format Imaging Solutions

IDEAL/Contex
CHROMA G600
Energy Saver Color Scanners

Basic Model: 42" Wide, 1200 DPI, Scans 1.5 IPS in Color and 12.0 IPS in Monochrome
Plus Model: 42" Wide, 9600 DPI, Scans 3.0 IPS in Color and 12.0 IPS in Monochrome

APPLICATIONS

The IDEAL/Contex CHROMA G600 Energy Efficient Color Scanners provide affordable, wide format color scanning. It is the best possible scanner 42 " wide scan-to-print for color renderings, maps, and large color graphics where heavy detail is important. The IDEAL/Contex CHROMA G600 Color Scanners are used in the GIS, Reprographics, CAD, and Graphic Arts industries 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 42" wide (E-Size) by any length on media up to 0.6" thick. The IDEAL/Contex CHROMA G600 Scanners are front-loading and can be used stand-alone or as an integrated component of a customized solution.

FEATURES

- Energy Saver Scanner
- Very fast color and improved speed in monochrome scanning
- 48 bit color capture for photo-realistic vivid colors
- 16 bit graytone capture for perfect grayshades
- All-Wheel-Drive with contour adjustment
- Scans Thick Media - up to 0.6" (15mm)
- Automatic Thick Media Adjustment Control (ATAC)
- Replaceable parts to bring down service costs
- Flexible Plug 'n' Play connectivity - FireWire and Hi-Speed USB
- Scan to PDF format option
- Advanced options for printing of grayshades
- Color matching to printer & media
- 3C Automatic Maintenance System
- Built-in Basic calibration - black-and-white points

COLOR ACCURACY

The IDEAL/Contex CHROMA G600 Color Scanners include a thirty-day timed out version of JETimage NET which performs image capture, color mapping, and transfer directly to a standard inkjet plotter. The IDEAL/Contex CHROMA G600 Scanners support Area Diffusion Logic (ADL) which allows documents containing mixed photographic and line-art (including text) areas to be captured with greater detail. These new scanners incorporate 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 CHROMA G600 Color 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 grade of precision stability in the scanned image.

HIGH PERFORMANCE SCANNING

The IDEAL/Contex CHROMA G600 Color Scanners have variable resolution settings from 50 to 1200 dpi 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 color original at 3.0" per second at 400 dpi turbo. The IDEAL/Contex CHROMA G600 Color Scanners require WIDEimage NET, the operating software for color scanning. The IDEAL/Contex CHROMA G600 Color Scanners can extract color and patterns of color into separate layers which can then be converted to DXF and DGN vector files with **WiseImage**.

SCAN, INDEX, AND EDIT

ScanOS, intelligent title block content recognition software with built-in, breakthrough OCR technology, automatically extracts title block information from scanned drawings to an archive database. **ScanOS**, an optional software package from IDEAL, provides a solution to the bottleneck problem of indexing hundreds and thousands of drawings during and after the scanning process. Edit drawings in raster with the same ease as editing a CAD file using **WiseImage**, an optional intelligent raster editing software package from IDEAL. **WiseImage** 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's **ArchiveCenter for Workgroups**. Store large format drawings on a company intranet or a secure, password protected internet with IDEAL's **Online PlanRoom**. Search, retrieve, view, and print large format drawings using only a standard web browser.

Looking to turn your inkjet into a digital copier? Scan large format monochrome originals with heavy detail and print them out to any inkjet plotter without losing any details. The IDEAL/Contex CHROMA 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 CHROMA G600 Color Scanners		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 selectable in one dpi increments	●	●
Scan Speed:	400dpi Turbo, 24 bit RGB scans	1.5"/s	3.0"/s
Scan Speed:	400dpi Turbo, 8 bit index color scans	3.0"/s	3.0"/s
Scan Speed:	400dpi Turbo, Graytone and B/W scans	12.0"/s	12.0"/s
Media Maximum Width:	44"	●	●
Media Maximum Thickness:	Up to 0.6"	●	●
Scan Width:	42"	●	●
Digital Imaging Processing	Dual 2D-Adaptive Enhancement, Dual 2D-Adaptive Gray,	●	●
embedded in hardware:	ADL+ Error Diffusion Halftoning, 2D-Adaptive Thresholding,	●	●
	Color Feature Extraction	●	●
Scan Modes:	24-bit Color, 8-bit Feature Extraction/Indexed Color,	●	●
	8-bit Graytone Mode, Copy Modes with Grayshades,	●	●
	1-bit Black and White, B/W Dual 2-D Adaptive Modes	●	●
Color Adjustment:	3x3 matrix multiplier	●	●
	Independent RGB tone curves (Gamma)	●	●
	Independent black-and-white point setting	●	●
Color Space:	NTSC; sRGB	●	●
3C 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),	●	●
	90,000 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	Temperature Control, Low Power Mode	●	●
Management:	Programmable power up timer	●	●
All-Wheel-Drive:	Broad precision rollers, contour adjustment	●	●
Automatic Thickness	Optimal grip of guide plate on variable thickness dimensions (max 0.6"),	●	●
Adjustment Control (ATAC):	Built-in roller axel pressure sensors, ATAC button on operators panel	●	●
Light Source:	Color matched fluorescent lamps CRI>95	●	●
User Replaceable Parts:	Glass-plate, White Background, Lamp, Filters	●	●
Optics:	Torsion stabilized for portability	●	●
Interface:	FireWire, USB2, STI (Still Image Interface)	●	●
Dimensions:	54.8" wide, x 7.3" high x 18.3" deep	●	●
	Weight 132.27 lbs, 160 lbs shipping	●	●
Power:	110/220/240V, 60/50cs, 180W	●	●
WIDEsystem Kit (included):	Drivers, Scan2Net, Maintenance software, Maintenance sheet	●	●
Options:	Copy Kit to mount Touch Screen and PC,	●	●
	Advanced Scan to Print Software, Touch Screen,	●	●
	ScanOS, WiseImage, ArchiveCenter for Workgroups,	●	●
	ArchiveCenter for the Enterprise, and Online PlanRoom,	●	●
	Document Basket	●	●
Host Platforms:	Windows and Power Macintosh	●	●