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IDEAL.com

Large Format Imaging Solutions

IDEAL/Contex

MAGNUM G600

Energy Saver Color Scanners

Basic model: 54" wide, 1200 DPI, color scanner, scans 1.5 IPS in color and 12.0 IPS in monochrome

Plus model: 54" wide, 9600 DPI, color scanner, scans 3.0 IPS in color and 12.0 IPS in monochrome



APPLICATIONS

The IDEAL/Contex MAGNUM G600 Color Scanners provide the best possible, 54" wide scan-to-print for color renderings, maps, and large color graphics where color fidelity is very important. The IDEAL/Contex MAGNUM G600 Color Scanners are used in the GIS, Reprographics, CAD, and Graphic Arts industries for color classification for vectorization, storage, retrieval, conversion to CAD, Scan-to-web, and Scan-to-

Print. This scanner can efficiently rasterize drawings up to 54" wide (E-Size) by any length on media up to 0.6" thick. The IDEAL/Contex MAGNUM G600 Color Scanners can be used stand-alone or as an integrated component of a customized solution.

FEATURES

- Energy Saver Scanner
- 54" Wide Scanning
- Front-loading Increasing Productivity
- Handles Media up to 0.6" Thick
- Supports ICC Standards
- Supports 48-bit color data capture
- Supports Feature Extracted Color
- Supports Graytone and Black & White
- Automatic Thick Media Adjustment Control (ATAC)
- Accuracy Lens Enhancement Technology (ALE)

COLOR ACCURACY

The IDEAL/Contex MAGNUM G600 Color Scanners conform to the ICC standard. The IDEAL/Contex MAGNUM G600 Color Scanners support both 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. The IDEAL/Contex MAGNUM G600 Color Scanners also support 256 gray shades. The gray shades are captured at 16 bits for maximum precision, passing the best 8 bits of gray shade data to the computer. The IDEAL/Contex MAGNUM Color 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.

ACCURACY LENS ENHANCEMENT TECHNOLOGY

The IDEAL/Contex MAGNUM 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 this scanner there is a very high grade of precision stability in the scanned image.

HIGH PERFORMANCE SCANNING

The IDEAL/Contex MAGNUM G600 Color Scanners have variable resolution settings from 50 to 1200 dpi in the Basic Model and 50 to 9600 dpi in the Plus Model, selectable in one dpi increments to match user requirements. The IDEAL/Contex MAGNUM G600 Scanners require WIDEimage^{NET}, the operating software for color scanning. The IDEAL/Contex MAGNUM 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 Wiselimage.

SCAN, INDEX, AND EDIT

The IDEAL/Contex MAGNUM G600 Color Scanners support color and monochrome scanning applications. ScanOS provides single-file 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 MAGNUM G600 Color Scanners are the perfect front-end to any Windows-based inkjet plotter.

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 MAGNUM G600 Color Scanner 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	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, B/W scans	12.0"/s	12.0"/s
Media Maximim Width:	56 (1420 mm.)	●	●
Media Maximum Thickness:	0.6" (15mm)	●	●
Scan Width:	54 Inches (1372 mm.)	●	●
Digital Image Processing embedded in hardware:	Dual 2D-Adaptive Enhancement, Dual 2D-Adaptive Gray	●	●
	ADL+ Error Diffusion Halftoning	●	●
	2D-Sharpning/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:	Quadruple 4-linear CCDs (RGB triplets+Panchromatic BW)	●	●
	120,000 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:	Broad precision rollers & contour adjustment	●	●
Automatic Thickness Adjustment Control (ATAC):	Optimal grip of guide plate on variable thickness dimensions (max 0.6")	●	●
	Built-in roller axel pressure sensors	●	●
	ATAC button on operator's panel	●	●
Light source:	Color matched fluorescent lamps CRI>95	●	●
User Replaceable Parts:	Glass plate	●	●
Optics:	Torsion stabilized for portability	●	●
Interface:	FireWire, USB2	●	●
	STI (Still Image Interface), WIA (Windows Image acquisition)	●	●
Dimensions:	66.1" w x 7.3" h x 18.3" d (1680 x 185 x 465 mm.), 154.3 lbs, 70 kg	●	●
Power:	110/220/240V, 60/50cs, 180W	●	●
WIDEsystem Kit (included):	Drivers, Scan2Net, Maintenance software, Maintenance sheet	●	●
Requires:	WIDEimage ^{NET} for Scan to File	●	●
	IDEAL's ScanOS for scanning and indexing	●	●
Options:	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	●	●