



SCANNERS
PRINTERS
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SERVICES

IDEAL.com

Large Format Imaging Solutions

IDEAL/Contex

PUMA G600 iJET

Energy Efficient Color Scanners

Basic model: 36" wide, 1200 DPI, scans 1.5 IPS in color and 12.0 IPS in monochrome
Plus model: 36" wide, 9600 DPI, scans 3.0 IPS in color and 12.0 IPS in monochrome



APPLICATIONS

The IDEAL/Contex PUMA G600 Color Scanners are cost-effective scanners with an embedded copying and scanning system in the hardware. There is an easy-to use iJET Panel to control the copying and scanning operations. The iJET Panel contains an elaborate menu system that enables setup and activation of full scan-to-print and scan-to-file options directly from the scanner. This scanner is designed for the CAD, GIS,

Reprographics, Sign Shops, Copy Shop, POP and Display markets that handle large format color graphics. The IDEAL/Contex PUMA G600 Color Scanners can be used for color classification for vectorization, storage, retrieval, conversion to CAD, and scan-to-print. These scanners can efficiently rasterize drawings up to 36" wide (E-Size) by any length on media up to 0.6" thick. These scanners provide one-touch copy to USB printer without a PC. The IDEAL/Contex PUMA G600 Color 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
- Embedded copying and scanning system in hardware
- Flexible connectivity with USB and Ethernet
- Accuracy Lens Enhancement Technology for 0.1% pixel precision
- Front-loading increased productivity
- Handles media up to 0.6" thick
- All-Wheel-Drive with contour adjustment
- 3C Maintenance keeps cameras perfectly aligned
- User replaceable parts

SCANNING SUPERIORITY

The IDEAL/Contex PUMA G600 Color Scanners create images in photo realistic color, high quality gray scale, and crisp, clear black and white. Color is captured at 48 bits for maximum color precision, passing the best 24 bits of color data to the computer. The IDEAL/Contex PUMA G600 Scanners are an accurate, two-dimensional sampling device; document motion is one axis and electronic scan of the Charge Couple Device (CCD) semiconductor cameras is the other. They are front-loading, and scan with unparalleled accuracy, +/- 0.1% in both the X and Y-axis to ensure the most accurate scan possible. The IDEAL/Contex PUMA G600 Scanners have iJET Technology, embedded copying and scanning system in the hardware. The iJET technology incorporates 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. 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. The IDEAL/Contex PUMA G600 Basic can easily be upgraded to an IDEAL/Contex Puma HS 36" Plus scanner with a Smart Card Upgrade Kit for increased scanning speed and resolution.

COPYING MADE EASY

Connect the IDEAL/Contex PUMA G600 scanner with a large format printer and you get the perfect large format color and monochrome digital copier. From the iJET Panel you can set the quality, lightness, number of copies, reduce/enlarge the copy without the use of a PC or software. The iJET Panel also contains advanced settings for special jobs or for setting company defaults. With the scanner's high precision of details and colors, users can enlarge their creations to full display sizes without losing any quality. The IDEAL/Contex PUMA 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.

ACCURACY LENS ENHANCEMENT TECHNOLOGY

The IDEAL/Contex PUMA 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.

CONNECT TO PC FOR INDEXING AND EDITING

The IDEAL/Contex PUMA G600 Scanners support color and monochrome scanning applications. IDEAL's **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.

ENTERPRISE WIDE SHARING

Provide instant network access of scanned drawings with IDEAL's **ArchiveCenter for Workgroups**. Archive large format drawings on a company intranet or a secure, password protected internet with IDEAL's **ArchiveCenter for Enterprises**. Search, retrieve, view, and print large format drawings using only a standard web browser. Both software applications require a PC to be connected to the IDEAL/Contex PUMA G600 color scanners.

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 PUMA G600 Color Scanner Specifications

Basic Plus

		Basic	Plus
Maximum Resolution:	(in dpi)	1200	9600
Optical Resolution:	(in dpi)	600	600
Scan Accuracy:	0.1% +/- 1 pixel	●	●
Variable Resolution Setting:	from 50 dpi in one dpi increments	●	●
Scan Speed:	400 dpi Turbo, 24 bit RGB scans	1.5"/s	3.0"/s
Scan Speed:	400 dpi Turbo, 8 bit Index color scans	3.0"/s	3.0"/s
Scan Speed:	400 dpi Turbo, B/W scans	12.0"/s	12.0"/s
Media Maximum Width:	44" (1118 mm.)	●	●
Media Maximum Thickness:	0.6" (15mm)	●	●
Scan Width:	36 Inches (914 mm.)	●	●
Digital Image Processing:	Dual 2D-Adaptive Enhancement, Dual 2D-Adaptive Gray, ADL+ Error Diffusion Halftoning , 2D-Sharpening/2D-Softening/2D-Blur Filter	●	●
	2D-Adaptive Thresholding	●	●
iJET Technology:	Copy and scanning system embedded in hardware	●	●
	Easy to use iJET panel to control copy and scan operations	●	●
	One-Touch Copy to USB printer without a PC	●	●
	One-Touch Copy to Network printer without a PC	●	●
	One-Touch Scan directly to any PC on the Network	●	●
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:	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)	●	●
	90,000 pixels, 48-bits of color data capture	●	●
	16 bits of graytone data capture, All-Digital cameras	●	●
Advanced Power Management:	Temperature Control	●	●
	Low Power Mode	●	●
	Programmable power up timer	●	●
All-Wheel-drive:	Broad precision rollers & contour adjustment	●	●
	Optimal grip of guide plate on variable thickness dimensions	●	●
	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, white background, lamp, air filters	●	●
Optics:	Torsion stabilized for portability	●	●
Interface:	Ethernet (Scanning and Printing)	●	●
	Hi-Speed USB2 (Scanning)	●	●
	USB2 (Copying)	●	●
	STI (Still Image Interface), WIA (Windows Image acquisition)	●	●
	TWAIN	●	●
Dimensions:	54.8" w x 7.3" h x 18.3" d (1392 x 185 x 465 mm.) 132.3 lbs, 60 kg	●	●
Power:	Power: 110/220/240V, 60/50cs, 180W	●	●
WIDESystem Kit (included):	Drivers, scan2net, Maintenance software, Maintenance sheet	●	●
Options:	Stand with Document Basket, Thick Media Support Table, Copy Kit to mount Touch Screen & PC advanced Scan to Print software, Touch Screen, WiselImage, Online PlanRoom, JETimage ^{NET} , WIDEimage ^{NET} , ArchiveCenter for Workgroups, ArchiveCenter for Enterprise, ScanOS	●	●
Platforms Supported:	Windows and Power Macintosh	●	●