

SCANNERS
PRINTERS
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IDEAL.com

Large Format Imaging Solutions

IDEAL/Contex

HAWK-EYE G36

Energy Saver Color Scanners

Basic model: 36" wide, 1200 DPI, Scans 10 IPS in monochrome and 1.5 IPS in color

Plus model: 36" wide, 9600 DPI, scans 10 IPS in monochrome and 3.0 IPS in color

APPLICATIONS

The IDEAL/Contex HAWK-EYE G36 Color Scanners provide affordable, wide format color scanning. The IDEAL/Contex HAWK-EYE G36 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. They can efficiently rasterize drawings up to 36" wide (E-Size) by any length on media

up to 0.47" thick. The IDEAL/Contex HAWK-EYE G36 Color Scanners can be used stand-alone or as an integrated component of a customized solution.

FEATURES

- Energy Saver Scanner
- 36" Wide Image Area
- Front-loading Increasing Productivity
- Handles Media up to 0.47" Thick
- All-Wheel-Drive with contour adjustment
- FireWire and USB2 Connectivity Supported
- Automatic Camera Alignment
- Programmable Buttons for Scanning, Copying, and Emailing
- Accuracy Lens Enhancement Technology (ALE)

COLOR ACCURACY

The IDEAL/Contex HAWK-EYE G36 Color Scanners create images in photo realistic colors, high quality grayscale, 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 HAWK-EYE G36 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 HAWK-EYE G36 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. 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 HAWK-EYE G36 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 high grade of precision stability in the scanned image.

HIGH PERFORMANCE SCANNING

The IDEAL/Contex HAWK-EYE G36 Color Scanners have variable resolution settings from 50 to 1200 dpi in the Basic Model and 50 to 9600 in 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 10" per second at 400 dpi turbo and a color original at 3.0" per second at 400 dpi turbo. The IDEAL/Contex HAWK-EYE G36 Color Scanners require WIDEimage^{NET}, the operating software for color scanning. The IDEAL/Contex HAWK-EYE G36 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

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 monochrome originals with heavy detail and print them out to any inkjet plotter without losing any details. The IDEAL/Contex HAWK-EYE G36 Color Scanner 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 HAWK-EYE G600 Color Scanner Specifications

Basic Plus

		Basic	Plus
Enhanced Resolution:	(in dpi)	1200	9600
Resolution:	(in dpi)	200	200
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	1.5"/s	3.0"/s
Scan Speed:	400dpi Turbo, Graytone and B/W scans	10.0"/s	10.0"/s
Media Maximim Width:	44" (1118 mm.)	●	●
Media Maximum Thickness:	0.47" (12mm)	●	●
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:	Basic Calibration	●	●
	Precision Color Calibration	●	●
	Auto monitoring and correction (stitching, black-and-white point)	●	●
Sensors:	Single 4-linear CCD (RGB triplets+Panchromatic BW)	●	●
	30,00 pixels	●	●
	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 matched rollers, gentle feed control	●	●
Light source:	Color matched fluorescent lamps CRI>95	●	●
User Replaceable Parts:	Glass plate, white background, lamp	●	●
Optics:	Torsion stabilized for portability	●	●
Interface:	FireWire	●	●
	USB2	●	●
	STI (Still Image Interface), WIA (Windows Image Acquisition)	●	●
Dimensions:	57.8" w x 6.9" h x 18.0" d (1470 x 175 x 457 mm.), 92.6 lbs, 42 kg	●	●
Power:	110/220/240V, 60/50cs, 180W	●	●
WIDEsystem Kit (included):	Drivers, Scan2Net, Maintenance software, Maintenance sheet	●	●
Requires:	Maintenance Sheet and Tools	●	●
	WIDEimage ^{NET} for Scan to File	●	●
Options:	IDEAL's ScanOS for scanning and indexing,	●	●
	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	●	●
Platforms Supported:	Windows and PowerMacintosh	●	●