

GENASCAN A0 FLATBED COLOUR SCANNER SPECIFICATION

With GenaScan A0, you can confidently scan originals of varying thickness, Dimensions, and weights at High resolution without the risk of damaging them. GenaScan A0 gives superb results time after time, accurately matching the size, colour and quality of originals.

If you need to scan large, bulky documents or similar objects, GenaScan A0 provides the most efficient, flexible and high-quality solution. You can use it to scan most items up to 2KG (4.4lb) in weight and output in a wide choice of industry standard files for digital distribution, printing and archiving.

Replica-Like Results for large-Format Originals

GenaScan A0 is ideal for scanning and digitising large-format originals such as maps, plans, books, drawings, technical illustrations, fabrics, 3D objects, artwork, and display items. All these and more can be scanned easily and accurately at a high 600 dpi resolution for very precise, replica-like results.

Advanced Optical System

Features an innovative, large-diameter 120mm lens and an optical unit capable of scanning with 66,000 CCD elements. These enable originals of up to 1220 x 912mm in size to be scanned at an optical resolution of 600 dpi. Even lines as fine as 0.01 mm (0.39 mil) can be scanned and reproduced cleanly.

Fast and Easy to Use

GenaScan A0 is very easy to use. Intuitive controls make it simple to achieve accurate and consistent results right from the start. Setting up GenaScan for optimal speed and quality is achieved by simply selecting the type of original to be scanned. High speed scanning is assured with an ultra fast IEEE 1394 (Firewire) interface for data transfer.

Flatbed Design

GenaScan A0's flatbed scanning platform and securing system makes it ideal for scanning thick documents and objects up to 2 Kg in weight, which are impossible to scan on roll-fed systems. Plus, because there is no danger of jamming, you can scan valuable and delicate originals with complete piece of mind.

Beyond A0 size to larger originals

GenaScan A0's pin bar positioning system allows you to scan many types of larger originals. You can scan any original with a width up to 1220 mm and, because this system enables you to consecutively scan in precise A0 lengths, there is virtually no limit to the length of the document you can scan.

Basic Specification

Basic Component	A0 size scanner
Controller PC	Windows XP (Minimum 2GHz CPU)
Scanning Technology	3 line colour CCD (7300 x 3 pixels), moving optics unit
Original	Reflection Original (sheets, books , three-dimensional items, Perspective drawings, long originals, etc)
Maximum Scanning Size	1220 x 912mm
Maximum Thickness of Original	No effective limit when scanning cover unattached
File Format	CMYK TIFF, RGB TIFF, RGB JPEG, Greyscale TIFF, Indexed Colour-TIFF, Indexed Colour-Pack Bits, 1-bit TIFF, TIFF G4 and Greyscale JPEG
Maximum Original Weight	2 KGs
Scanning Time	150 sec for A0 (1220 x 912mm)
Optical Resolution	600dpi
Digital Resolution	150dpi, 300dpi, 600dpi with squire sampling
Light Source	Twin fluorescent lamps
Starting Point	Right near
Interface	IEEE 1394
Warm Up Time	5 minutes

Accuracy

Dead Margin	Less than 1mm as dead margin in starting point side
Starting Point Parallel & Angularity	Less than 1mm with maximum size 912 x 1220mm
Trimming Accuracy	Less than +/- 1mm at 4 corners
Original Size Accuracy and Internal Distortion	Less than +/- 1mm at scattered part
Repeatability	Less than +/- 1mm comparing the 1st scan and 5 continuous scanning
Variable Magnification Accuracy at 25% - 200%	Less than +/- 0.2% with the size less than maximum size.

Environmental

Dimensions	1733 x 1265 x 934 (W x D x H) excluding keyboard and monitor arm. Height of original holder is 851mm
Weight	400kgs
Power Requirement	100V +/- 10%, 200V +/- 10%, 50/60Hz, 400VA 15A 3 pin consent, D class grounding earth
Floor Loading Capability	More than 300kgs/m ²
Floor Flatness	5mm/m
Noise	Less than 65dB
Room Environment	Recommended +/- 5°C degree from 23°C 50 – 70% RH (non-condensation)
Vibration	Less than 5 GAL
Room Lighting	600 – 800 Lux (luminosity of a standard office)
Power Requirement	100V +/- 10%, 200V +/- 10%, 50/60Hz, 400VA 15A 3 pin consent, D class grounding earth
Thermal Output	1400KJ (340Kcal, 1300BTU) excluding PC
Certification	VCCI 2nd class, GS, EMC, EK (CE mark conformity will be based on self declaration.)

