

Scanning Services
Large Format Scanners
Operating Software for Scanners
Intelligent Raster & CAD Software
Document Management Software
Online Planrooms



IDEAL.com

IDEAL/Contex ACS 4600 Aperture Card Scanner

Basic Model: 400 DPI, Autofeeder for 100 Cards

Plus Model: 2400 DPI, Autofeeder for 100 Cards, Scans 300 cards per hour.

APPLICATIONS

The IDEAL ACS 4600 Aperture Card Scanners are a cost-effective solution designed for fast, high volume scanning of aperture card based engineering drawings & scientific documents for use in conversion to CAD, archive and retrieval, and Product Data Management (PDM) applications. The IDEAL ACS 4600 Scanners can efficiently rasterize drawings from E-Size (A0) to A-Size (A4) stored on aperture cards, through FireWire or USB interface. The ACS Aperture Card Scanners read Hollerith code for automatic scaling & file naming.

BLACK & WHITE ACCURACY

The ACS 4600 Scanners are extremely accurate, with the use of an 8,000 element Charge Coupled Device (CCD). The ACS 4600 Scanners scan with unparalleled accuracy, +/-0.1% in both the X and Y axis to ensure the most accurate scan possible. In addition, the ACS 4600 Scanners have the capability of scanning hole punched cards for automatic control of document sizes, reduction ratios, and file naming.

HIGH PERFORMANCE SCANNING

The ACS 4600 Scanners offer the highest, truest resolution in its price class with resolution settings from 50 to 400 dpi for the Basic model and from 50 to 2400 dpi for the Plus model. The ACS 4600 Scanners have a built-in feeder which stacks up to 100 cards per session that can be used in automatic or single feed mode, and these scanners have the ability to manipulate an individual card bi-directionally for preview scanning. The ACS 4600 Scanners can be used stand-alone or as an integrated component of a customized solution. The ACS 4600 Scanners require either IDEAL's **ScanDEX Pro** for automatic scanning and indexing, or WIDEimage^{NET}, scanner operating software. WIDEimage^{NET} utilizes the built-in Digital Signal Processing (DSP) that enhances images in real time. The unique 2-D Adaptive Thresholding provides clean, crisp scans from poor originals, automatically adapting to compensate for varying backgrounds. Also hole-filling and despeckling are performed on the fly while scanning.

SCAN TO NETWORK

ScanDEX Pro Plus, an optional software package from IDEAL, lets you scan aperture cards to the network. **ScanDEX Pro** jobs are compatible with IDEAL's **Online PlanRoom**. Archive aperture card 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.

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.



FEATURES

- Real-time Image Processing
- Automatic Card Feeder
- Digital Signal Processing
- Reduction Ratios 37x to 7.5x
- Scan to Network
- FireWire and USB Connectivity

ACS 4600 Scanner Specifications

Basic Plus

		Basic	Plus
Sensors	Single linear CCDs	●	●
	8,000 pixels	●	●
	12 bits of graytone data capture	●	●
	all digital cameras	●	●
Resolution	Optical	630	630
	Maximum	400	2400
Media Width	Aperture Cards supported: MIL-C-9877b, MIL-C-9949, MIL-D-9868, ISO 3272, and DIN 19052.	●	●
	Silver and Diazo cards supported	●	●
	Uses Aperture Cards	●	●
Scan Width	Uses Aperture Cards	●	●
Scan Length	Uses Aperture Cards	●	●
Scan Modes	8-bit graytone with 256 gray levels	●	●
	Copy modes with ADL+ Error Diffusion halftoning	●	●
	B/W Dual 2D-Adaptive Modes	●	●
	1-bit black-and-white line mode	●	●
3C Maintenance System	Basic calibration	●	●
	Auto monitoring and correction (stitching, black-and-white point)	●	●
Adjustment	Dual 2D-Adaptive enhancement processing	●	●
	Dual 2D-Adaptive Gray	●	●
	ADL+ Error Diffusion Halftoning	●	●
	2D-Adaptive Thresholding	●	●
	Graytone 2D-Sharpening, Softening and Blur	●	●
Light Source	Stabilized fluorescent lamps	●	●
Optics	Compact optical path, torsion stabilized for portability	●	●
Interface	USB 1.1, FireWire and STI (Still Image Interface)	●	●
Dimensions	13.3" wide x 7.9" high x 23.6" deep	●	●
Weight	55.11 lbs (25 Kg)	●	●
Power	110/220/240V, 60/50hz. 180W selectable on power input block	●	●
Includes	6 ft power cable, JETimage LITE, User documentation	●	●
	24 Months Return to Depot Warranty	●	●
	With first six months on-site warranty	●	●
	Scanner Maintenance Software	●	●
	Maintenance Sheet and Tools	●	●
Requires	WIDEimage ^{NET} Interface Kit	●	●
	ScanDEX Pro for scanning and indexing	●	●
Options	IDEAL's ScanDEX Pro; ScanDEX Pro Plus; Online PlanRoom	●	●
Color File Formats	N/A	●	●
Monochrome File Formats	PCX, IMGCM, IMGCC, IMGEM	●	●
Compressed File Formats	CALS Group4 Type 1&2 (Tiled), GR4AB, IG4,	●	●
	CIT, TIFF Group3 & Group4	●	●
Gray Shade File Formats	PCX, TifUN, IGS, TIFF, LZW	●	●
Print/Plot File Formats	EPS, HPGL, VER, CRFF, JDL, HP-PCL, ATL, SCM,	●	●
	HP-PCL, and HP-RTL	●	●
Platforms Supported	Windows 98, 98SE, ME, 2000 XP with USB	●	●
	Windows ME, 2000, XP with FireWire	●	●
	Power Macintosh	●	●