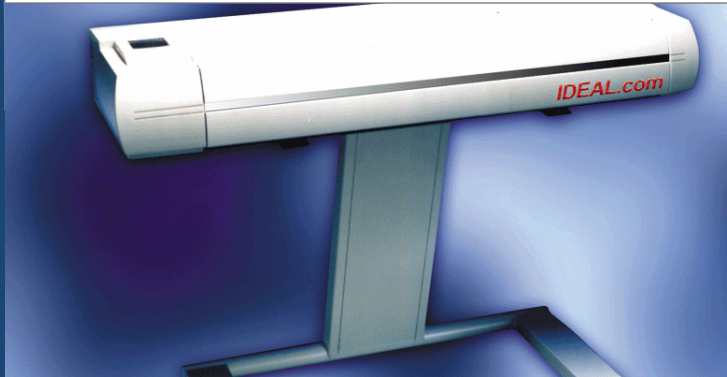


# IDEAL FSS 8300

- 36" Wide, 800 DPI, Monochrome Scanner
- The Number One selling monochrome scanner of all time. Versatile and perfect for precision applications, such as, raster to vector conversion with IDEAL's I/Vector software.



## Features

- Most Popular Scanner
- 5.2 line pairs/mm for Accuracy
- Automatic Load Features
- Digital Signal Processing
- Scan to Index
- Scan to Print
- 17 Seconds E-Size Scan at 200 dpi

## Applications

The IDEAL FSS 8300 is a Digital Signal Processing (DSP) Scanner and is IDEAL's most popular monochrome scanner that provides affordable, high speed, high resolution scanning for digital capture of large format engineering, architectural & scientific documents for conversion to CAD, archive and retrieval, and scan-to-print applications. The IDEAL FSS 8300 DSP Scanner can efficiently rasterize drawings up to 36" wide (E-Size) on 40" media, scanning drawings directly through a fast SCSI-2 interface.

## Black & White Accuracy

The FSS Scanners are accurate, two-dimensional sampling devices; document motion is one axis and electronic scan of the Charged Couple Device (CCD) semiconductor cameras is the device. The IDEAL FSS 8300 DSP has a straight through paper path design and scans with unparalleled accuracy, +/-0.1% in both the X and Y axis to ensure the most accurate scan possible. There are 5.2 line pairs/mm for measuring accuracy.

## High Performance Scanning

The IDEAL FSS 8300 DSP is an award-winning scanner that is part of a sixth generation family of large format scanners. It offers the highest, truest resolution in its price class with fixed resolution settings from 25 to 800 dpi. The FSS 8300 DSP can scan a typical E-Size CAD drawing into industry standard formats in 20 seconds at 200 dpi. This scanner has an automatic load features to speed the scanning process and facilitate batch scanning. The FSS 8300 DSP Scanner can be used stand-alone or as a component of an integrated solution set. The FSS 8300 DSP Scanner requires operating software, either IDEALScanOS or WIDEimage, to run the scanner. Both scanner operating software kits utilize 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. WIDEimage provides an easy to use application for monochrome and grayscale scanning, as well as basic printing and viewing functions.

## Scan to Index

IDEAL ScanDEX allows single-field indexing while scanning, for archiving and fast retrieval of monochrome documents. It is a true, 32-bit, multi-threaded application that provides faster scanning. Scanning and printing information is stored in database archive. IDEAL ScanDEX features image linking, for data acquisition of title block information to an ODBC compliant database.

## Scan to Print

IDEALScanOS also provides a direct Scan-to-Print station to turn your inkjet into a digital copier allowing faster printing. With IDEALScanOS you can output your monochrome raster files directly to multiple KIP, Xerox 8830s, 8825s, Océ 9400s, or any Windows-based laser, thermal inkjet, or electrostatic printers and plotters.

## When Solutions Matter

An Online Demo is a great way to see a product in action from the convenience of your PC. Arrange a one-on-one Online Demo today by e-mailing sales@ideal.com or calling IDEAL at 1-800-764-3325.

Black & White Scanner

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Specification Sheet

IDEAL FSS 8300

<b>Sensors</b>	Two 8,000 Element CCDs, 16,000 pixels
<b>Sampled Resolutions</b>	25 to 400 dpi
<b>Media Width</b>	6 in to 40 in
<b>Scan Width</b>	6 in to 36 in
<b>Scan Length</b>	Unlimited
<b>Scan Modes</b>	8-bit Graytone and 1-bit Black and White
<b>Adjustment</b>	Brightness, Contrast, Adaptive Level, Threshold, Background Suppression
<b>Light Source</b>	Stabilized fluorescent lamp
<b>Optics</b>	Apochromatic lense, compact path, torsion stabilized for portability
<b>Interface</b>	Fast SCSI-2 Interface
<b>Dimensions</b>	47.25in W x 7.9in H x 15in D
<b>Weight</b>	101 lbs. 152 lbs. Shipping
<b>Power</b>	110/220/240V, 60/50hz. 180W selectable on power input block
<b>MTBF</b>	7000 hours
<b>MTTR</b>	0.5 hours
<b>Relative Humidity</b>	20% to 90% (no condensation)
<b>Shock and Vibration</b>	Operating: 1G, 10-150 Hz. Storage:10G, (in case) no harm to scanner
<b>Standards</b>	UL114 (4th edition); part 15 FCC rules; designed to meet IEC 380
<b>Heat Dissipation</b>	614 BTU/hr.
<b>Operating Noise Level</b>	58 dBa at 1 meter
<b>Includes</b>	6 ft power cable, User documentation, 1 Year Warranty
<b>Requires</b>	IDEALScanOS or WIDEimage Interface Kit (Windows 98, NT4.0, 2000)
<b>Temperature</b>	Operating: 10-40 deg C Storage: 10-70 deg C
<b>Options</b>	Stand, Copy Kit, Touch Screen
<b>Color File Formats</b>	N/A
<b>Monochrome File Formats</b>	PCX, IMGCM, IMGCC, IMGEM
<b>Compressed Binary File Formats</b>	CALS Group4 Type 1&2 (Tiled), GR4AB, IG4, CIT, TIFF Group3 & Group4
<b>Gray Shade File Formats</b>	PCX, TifUN, IGS, TIFF, LZW
<b>Print/Plot File Formats</b>	EPS, HPGL, VER, CRFF, JDL, HP-PCL, ATL, SCM, HP-PCL, and HP-R

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