

HEWLETT-PACKARD

ScanJet Desktop Scanner HP 9190A OCR/Image Scanner

Data Sheet

The Hewlett-Packard ScanJet desktop scanner gives your laser printed documents a new image, improving the quality of your memos, business reports, and newsletters. The ScanJet provides an easy way to include photos, text, line art, and graphics from a variety of sources.

Features

Desktop Scanner for graphics and text

- Flat-bed Design
- Automatic Document Feeder
- Scaling/Resolution
- OCR Capability
- IBM Compatibility
- Total Desktop Publishing Solution

Flat-bed Design

ScanJet's flat-bed design can handle a wide variety of documents, from a wallet-sized photograph to a full-size, single sheet drawing – even bound reports.

Automatic Document Feeder

The optional 20-page document feeder (HP 88190A) allows convenient input of multi-page documents.

Scaling/Resolution

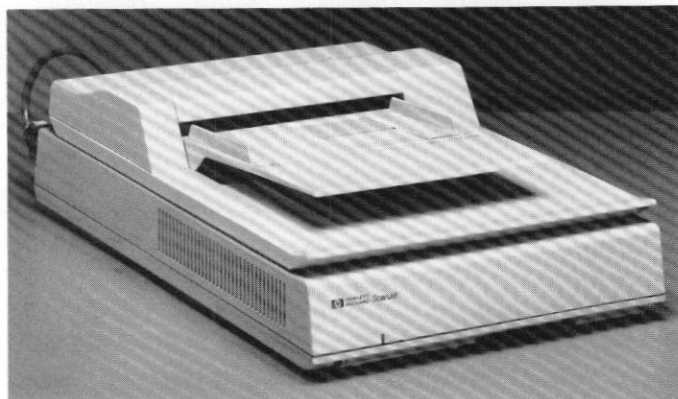
Scanned images can be enlarged or reduced to the size needed. In addition, images can be scanned at exactly the resolution needed to match your printer.

OCR Capability

The HP ScanJet desktop scanner and the ReadRight Optical Character Recognition software (HP 88400A) allow you to enter typed text into your computer without rekeying, saving you valuable time.

In addition ScanJet's OCR capability permits data conversion from one system to an incompatible system when electronic conversion is not possible.

Reference OCR data sheet 5954-9854



IBM Compatibility

The HP ScanJet desktop scanner is supported on the HP Vectra PC, IBM XT/AT and compatibles. Operation with the above systems requires the ScanJet Interface Kit (HP 88290A).

Hewlett-Packard's Scanning Gallery Software, included with the ScanJet Interface Kit (HP 88290A), allows easy scanning, cropping and storage of images for use with a wide range of application software.* Files are stored and brought to application software via the four industry standard file formats: TIFF, MS Paint, GEM, and PC PaintBrush. Scanning Gallery works under both the MS-DOS® (Ver. 3.0 and above) and MS Windows (Ver. 1.03 and above) operating environments. Additionally, some application packages have built-in support for the HP ScanJet using Scanner Control Language (SCL).

* See ScanJet Software Guide for a complete listing of supported applications software (HP Publication 5953-6883).

Total Desktop Publishing Solution

When teamed up with the HP LaserJet or LaserJet Series II Printer and the HP Vectra PC, the ScanJet desktop scanner completes the one vendor, total HP Desktop Publishing Solution. This one vendor solution ensures system compatibility and reliable service and support.

Specifications

Performance

Scanning Speed:

20.4 sec/300 dpi

Output Resolution

38 - 600 dpi, Selectable in 1 dpi increments*

Optical Resolution

2550 dots (yielding 300 dpi)

Scaling

7% to 1578%*

* Ranges for included software are as follows:

Host	S/W	Scaling @ 300 dpi	Resolution
IBM	Scanning Gallery	50-200%	75-300 dpi in 1 dpi increments

Extended ranges may be accessible through applications packages using direct scanner control.

Functional Characteristics

Scanner Type:

Flatbed

Light Source:

Halogen lamp

Interface

Bidirectional Centronics (IBM)

Maximum Document Size: (glass):

216 x 297 mm (8.5 x 11.7 in)

Maximum Document Size: (Auto. Doc. feeder)

216 x 356 mm (8.5 x 14.0 in)

Maximum Automatic Document Feeder Capacity:

~20 sheets (2 mm) (.08 in)

Mode Selection:

Binary, dithered, grayscale

Drop Out Color:

Yellow

Grayscale:

16 levels (4 bit)

Environmental Range

Temperature:

Operating: 5 to + 35°C (41 to + 95°F)

Non-Operating: -40 to + 60°C (-40 to + 140°F)

Humidity:

Operating: 5% - 95% (non-condensing)

Non-Operating: 5 - 95%

Altitude:

Operating: 0 - 4572 m (0 - 15,000 ft)

Non-Operating: 0 - 15,240 m (0 - 50,000 ft)

Power Requirements

Voltage:

Range: 90 - 126.5 VAC (220 - 240V)

Frequency:

Nominal: 60 Hz (50 Hz)

Range: 48 - 66 Hz

Consumption:

120W

Physical Specifications

Dimensions: (scanner)

Height: 83 mm (3.3 in)

Width: 368 mm (14.5 in)

Depth: 570 mm (22.4 in)

Net Weight: 10.4 kg (22.8 lbs)

Shipping Weight: 12.7 kg (28.0 lbs)

Dimensions: (automatic document feeder)

Depth: 503 mm (19.8 in)

Width: 368 mm (14.5 in)

Height: 73 mm (2.9 in)

Net Weight: 4.3 kg (9.25 lbs)

Shipping Weight: 5.8 kg (12.7 lbs)

Ordering Information

Standard Unit

ScanJet Desktop Scanner: 9190A*

HP 88290A (ScanJet Interface Kit)

Interface board, ScanJet operator's manual, Scanning Gallery user's manual, 5 1/4" software flexible discs, Scanner interface cable.

* ScanJet requires the following interface kit:

For Vectra, IBM XT/AT and Compatibles: 88290A

Accessories

HP 88190A (Automatic Document Feeder)

20-page document feeder.

HP 88400A (ReadRight OCR Software)

Product Certifications

Underwriters Laboratories, Inc.

UL 478: Electronic Data Processing Equipment (EMRT) Fifth Ed.

UL 114: Office Appliances and Business Equipment (QAOT)

Canadian Standards Association

CSA C22.2 #154: Data Processing Equipment

International Electrotechnical Commission: IEC 380 and 435

FCC: Class B Part 15 for computing equipment

VDE: FTZ 1046/84 (VDE Level B)

Questions concerning regulatory agency compliance should be directed to the local Hewlett-Packard Sales and Service Office.

HEWLETT-PACKARD

ReadRight™ Optical Character Recognition Software For the HP ScanJet Desktop Scanner

Data Sheet

Save valuable time with the Hewlett-Packard ScanJet desktop scanner and its OCR software partner, ReadRight™. You'll achieve a new level of productivity when entering large volumes of typed text into your computer.

Applications range from personal word processing to large data base management. In addition, your OCR solution can be used for data conversion between incompatible systems when electronic conversion is not possible.

Features

- Reads over one hundred fonts
- Reads both monospaced and proportionally spaced typefaces
- Supports popular word processing packages
- Supports HP Vectra and IBM XT/AT and compatibles
- Provides a total OCR solution

Reads Over One Hundred Fonts

ReadRight™ OCR software reads over one hundred English language fonts – 90% of the common typewriter style fonts, including Courier, Letter Gothic, Prestige Elite, and Pica.

Reads Both Monospaced and Proportionally Spaced Typefaces

Complex documents comprised of a mixture of both monospaced and proportional typefaces can be read by ReadRight™ OCR software. Typefaces can be mixed on a single page, paragraph, or even within a single word.

Supports Popular Word Processing Packages

ReadRight™ OCR software supports popular word processing packages which import ASCII, Wordstar and WordPerfect formats, allowing use in a variety of office environments.



Supports HP Vectra and IBM XT/AT and Compatibles

The HP ScanJet desktop scanner and the ReadRight™ OCR software are fully supported by the HP Vectra and IBM XT/AT and compatibles, providing an excellent OCR solution for the PC market.

Provides a Total OCR Solution

When teamed with the HP ScanJet desktop scanner, the 20-page automatic document feeder, and the HP LaserJet Series II printer, ReadRight™ software completes the total HP OCR solution. This solution ensures system compatibility and reliable and convenient service and support.

Typeface Support

Monospaced

Courier
Pica
Elite
Prestige Pica
Prestige Elite
Letter Gothic
OCR B
Bookface Academic
Prestige Renown/Style

Proportionally Spaced

Bold
Cubic
Roman/Madeleine
Title
Modern
Thesis
Theme
Arcadia
Gothic/Victory
Majestic

Specifications

Character Size

6 to 12 points

Pitch

10 to 15 characters per inch

Vertical Line Spacing

8 lines per inch maximum

Skew Tolerance

1/4 inch per line

Special Characters

[] () \$! * - + = / \ ; : ' " < > ? . , % £

Supported Word Processing Formats

Wordstar
Word Perfect
ASCII

Ordering Information

Standard Unit

- HP 88400A** **ReadRight™ OCR Software**
Includes two 5 1/4" discs and user's manual.
- HP 9190A*** **HP ScanJet Desktop Scanner**
Includes installation guide and power cord.
- HP 88290A** **HP ScanJet Interface Kit**
Includes Interface board, ScanJet User's Guide, Scanning Gallery software (6) 5 1/4" floppy discs, Scanning Gallery User's Guide and ScanJet Interface cable.
- HP 88190A** **Automatic Document Feeder**
Automatically feeds 20 pages. Includes installation guide and mylar paper guide.

* HP ScanJet desktop scanner requires the 88290A Interface Kit for use with the HP Vectra PC, IBM XT/AT and compatibles.