HP DesignJet SD Pro 2 44-in MFP

Highly productive 44-in MFP for fast and detailed document reproduction

Detailed document reproduction with CIS technology

- Scan and copy everyday documents and maps at high speeds without fringing, using advanced CIS technology.
- Eliminate unwanted shadows and backgrounds with the dual-illuminating system in CIS technology.
- Produce high-quality results with crisp text, scan resolution up to 1200 dpi, copy resolution up to 2400 dpi.
- Create large-format color and black-and-white scans and copies up to 44-inches wide.

A fast SD scanner designed to streamline workflows

- Scan fast—up to 9 inches/sec in color and 18 inches/sec in grayscale.
- Accelerate workflows. Save scans as PDF, TIFF, JPEG, or DWF files. Do batch scanning. Create multipage PDFs.
- Share images. Scan to email, USB, network—or print with the HP DesignJet T1700dr 44-in PostScript® Printer.
- Preview and enhance images using the large 15.6-inch touchscreen all-in-one PC.

Reliable dual-roll 44-in PostScript® printer

- Print on different paper types and sizes seamlessly, and save time using two rolls with smart switching.
- Rely on Adobe PDF drivers to free up your computer immediately after sending to print—even for complex files.
- Handle complex files—powerful processing architecture,[1] 128 GB memory,[2] 500 GB HDD, at 116 A1/D pages/hr.
- Protect unauthorized access to printers/data with HP Secure Boot, whitelisting, encrypted hard disk, more.

Sustainability in action

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

Messaging Footnotes

[1] Refers exclusively to file processing capabilities for complex files, and does not refer to print speed.
[2] Based on 4 GB DDR3 RAM.

For more information, please visit http://www.hp.com/go/DesignJet-SD-Pro-2-MFP

POWERED BY Adobe PDF Print Engine

Datasheet

Technical specifications

Print

Print speed	116 D/hr, 26 sec/D[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Ink types	Dye-based (C, M, Y, PK, G); pigment-based (MK)
Print Cartridges/Bottle, Number	6 (C, M, Y, G, pK, mK)
Ink drop	6 pl
Print cartridge/bottle volume delivered	300 ml (C, M, Y, G, pK, mK); 130 ml (C, M, Y, G, pK, mK)
Printheads	3 universal printheads, 2 colors each
Printhead nozzles	2112 each color
Line accuracy	±0.1%[2]
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Max optical density	2.15 maximum black optical density (6 L*min)

Scan and copy

Linear scan speed	Color: up to 9 in/sec; Grayscale: up to 18 in/sec[3]
Scan resolution	1200 dpi
Scan format	PDF, PDF/A, TIFF, JPEG, JPEG2000, DWF, multi-page PDF generation
Scan destinations	File, email, USB, HDD, network folder, FTP, print
Maximum scan width	44 in
Technology	CIS scanning technology
Settings	Print mode, output size, paper type, copies, page order, collate, printer output destination (folder, stacker, bin), folding style selection (only available when folder accessory is available and supported by the HP large-format printer), paneling, tiling, nesting, reprint
Thickness	0.08 in

Media

Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Handling	Printer: Sheet feed, two automatic roll feeds, automatic roll-switching, media bin, automatic horizontal cutter; Scanner: Straight-through scan paper path for sheet and cardboard originals. Face-up, front entry, rear exit, rewind to front, use document return guide for front-return.
Maximum media width	44 in
Media rolls	2
Roll size	11 to 44 in(279 to 1118 mm)
Maximum roll weight	26.3 lb
Maximum roll diameter	5.3 in
Sheet size	8.3 x 11 to 44 x 66 in
Standard sheets	A, B, C, D, E
Media Weight Recommended	
Thickness	
Media types	Printer: Bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte), technical paper (natural tracing, translucent bond), film (clear, matte), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), backlit, self-adhesive (polypropylene, vinyl); Scanner: Non-abrasive paper, sepia, blueprints, plastic, plastic laminate, foam board, cardboard, newspaper (no plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)

Embedded controller

User interface	15.6" (396-mm) large touchscreen to preview and enhance images
Memory	Printer: 128 GB file processing (based on 4 GB RAM); Scanner: 8 GB DDR4
Hard disk	Printer: 500 GB self-encrypting; Scanner: 256 GB SSD
Native print languages	Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4

Connectivity

Interfaces	Printer: Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab), USB Type-A host port; Scanner: Gigabit Ethernet (1000Base-T), USB 3.1 gen 1 (3+1) and USB 2.0 (1) rear
Printing paths	Direct printing from USB flash drive, email printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint for MacOS and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
Drivers	Printer: Raster drivers for Windows and macOS, PostScript and PDF Windows drivers and macOS PostScript driver; Scanner: Windows drivers for compatible HP PageWide XL and HP DesignJet Printers
Security features	HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypting HDD, PIN printing

Dimensions (W x D x H)

Product	Printer: 70.9 x 27.4 x 39.3 in(1802 x 695 x 998 mm); Scanner: 60 x 37 x 65 in(1530 x 930 x 1660 mm)
Shipping	77.8 x 30.2 x 49.6 in(1950 x 766 x 1260 mm)

Weight

Product	Printer: 163 lb(74 kg); Scanner: 132 lb(60 kg)
Shipping	470 lb(213 kg)

Included

What's in the box	Printer: HP DesignJet T1700dr 44-in PostScript Printer, printheads, ink cartridges, printer stand, spindles (x2), setup poster, introductory information, warranty, power cords, label kits; Scanner: HP SD Pro 2 44-in Scanner, stand, touchscreen (panel PC), quick reference guide, media guides, setup poster, maintenance sheet, copy/scan software, documentation software, Ethernet cable, USB cable, power cords
HP Software and solutions	HP Click, HP Utility for Mac and Windows, HP WebJet Admin, HP Embedded Web Server, HP JetAdvantage Security Manager, HP Partner Link, HP MPS, integrated software with scan and copy enhancement features

Environmental ranges

Operating temperature	41 to 104ºF
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131ºF

Acoustics

Sound pressure	Printing: Printer: 45 dB(A) (operating), 32 dB(A) (idle), <15 dB(A)(sleep); Scanner: 62 dB(A) (operating), <30 dB(A) (idle), <30 dB(A) (sleep)
Sound power	Printing: Printer: 6.1 B(A) (operating), 5.0 B(A) (idle), <3.1 B(A)(sleep); Scanner: 6.4 B(A) (operating), <3.3 B(A) (idle), <3.3 B(A) (sleep)

Power

Consumption	Printer: <100 W (printing); <24 W (ready); <6.5 W (sleep); 0.1 W (off); Scanner: 47 W (scanning); 32 W (ready); 1.8 W (sleep)
Requirements	Printer: Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max; Scanner: Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz, 5 A max

Certification

Safety	Printer: USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Scanner: USA and Canada (UL certified), EU (LVD and EN 60950-1 compliant), Russia (EAC), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KC)
Electromagnetic	Printer: Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS); Scanner: Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP), Russia (EAC)
Environmental	Printer: ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT; Scanner: ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
Warranty	One-year limited hardware warranty

Ordering information

Product

1GY94E	HP DesignJet SD Pro 2 44-in MFP

Accessories

3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
CN538A	HP DesignJet 3-in Core Adapter
P7V13A	HP Pro Scanner Output Delivery Tray
Q6709A	HP DesignJet 44-in Spindle

Original HP printing supplies

P2V27A	HP 731 DesignJet Printhead
P2V62A	HP 730 130-ml Cyan DesignJet Ink Cartridge
P2V63A	HP 730 130-ml Magenta DesignJet Ink Cartridge
P2V64A	HP 730 130-ml Yellow DesignJet Ink Cartridge
P2V65A	HP 730 130-ml Matte Black DesignJet Ink Cartridge
P2V66A	HP 730 130-ml Gray DesignJet Ink Cartridge
P2V67A	HP 730 130-ml Photo Black DesignJet Ink Cartridge
P2V68A	HP 730 300-ml Cyan DesignJet Ink Cartridge
P2V69A	HP 730 300-ml Magenta DesignJet Ink Cartridge
P2V70A	HP 730 300-ml Yellow DesignJet Ink Cartridge
P2V71A	HP 730 300-ml Matte Black DesignJet Ink Cartridge
P2V72A	HP 730 300-ml Gray DesignJet Ink Cartridge
P2V73A	HP 730 300-ml Photo Black DesignJet Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP Bright White Inkjet Paper (FSC® certified)[4] (Recyclable)[5]
HP Heavyweight Coated Paper (Recyclable)[5]
HP Universal Instant-dry Satin Photo Paper (FSC® certified)[4] (Recyclable)[5]
HP Universal Coated Paper (FSC® certified)[4] (Recyclable)[5]
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

H4518E HP Network Installation Service
U7UM8E HP 2 years Next Business Day Onsite Support
U7UM9E HP 3 years Next Business Day Onsite Support
U7UN0E HP 4 years Next Business Day Onsite Support
U7UN1E HP 5 years Next Business Day Onsite Support
U7UN2PE HP 1 year Post Warranty Next Business Day Onsite Support
U7UN3PE HP 2 years Post Warranty Next Business Day Onsite Support

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.
[2] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Bright Office Inks.
[3] Color scanning: A1/D fully-inked color image at 200 dpi, 24-bit RGB. Grayscale scanning: A1/D image with black text graphics at 200 dpi.
[4] BMG trademark license code FSC®-C115319, see http://www.fsc.org . HP trademark license code FSC®-C017543, see http://www.fsc.org . Not all FSC®-certified products are available in all regions.
[5] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

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