HP DesignJet HD Pro 2 44-in MFP Plus Edition

High-definition graphics 44-in MFP for technical and graphics applications—fast and secure



*Product image may differ from actual product

PRECISE—Reveal every subtle detail

- Achieve accurate color reproduction with CCD-based high-quality scanning and copying.
- Handle complex images with an advanced five-camera system that captures detail with high precision.
- Achieve smooth gradients, even for complex color combinations, with HP Pixel Control.
- Produce water- and fade-resistant prints for indoor and outdoor use with HP Vivid Photo Inks.[1]

FAST—Streamline your workflow

- Scan at up to 13 in (33 cm) per second in color and monochrome, and send scans directly to email, USB, or network.
- With a single click, trim prints to their final width and reduce post-processing time using the integrated vertical trimmer.[2]
- Easily print with HP Click App or Driver, using a real-print preview to minimize errors and reprints.[3]
- Boost productivity by up to 90% with Productivity print modes[4]—ideal for retail signage, posters, and more.

SECURE—Protect your work and your information with HP Wolf Pro Security

- Protect printers and data from unauthorized access with HP Secure Boot, allowlisting, and encrypted storage.
- Control who accesses the printer and its confidential documents with secure PIN printing.
- Keep your fleet secure at any time with HP Security Manager.[5]

Messaging Footnotes

[1] Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 6 inks. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see https://hp.globalbmg.com/en/printpermanence .
[2] Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with vertical trimmer only.
[3] HP Click App is compatible with Windows and Mac. HP Click Driver is compatible with Windows 11 only. HP Click Print solutions are only compatible with Original HP Ink supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.
[4] Up to 90% printing time reduction based on internal HP testing conducted in March 2026 using the HP DesignJet Z6 44-inch printer. Testing was performed on coated paper at "Best" print quality and compared Standard print mode versus Productivity print modes (Plain for Production and Coated for Production) on the same printer. Results reflect performance improvements enabled by print mode optimization. Actual performance may vary depending on printer configuration, media type, print quality, and job characteristics.
[5] HP Security Manager must be purchased separately. To learn more, please visit https://www.hp.com/go/securitymanager .

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

Technical specifications

Print

Print speed	Fast-Economode: 866 ft²/hr on plain media; Normal: 268 ft²/hr on coated media; Best: 104 ft²/hr on glossy media[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: Borderless on all media with V-Trimmer[2] Sheet: 0.2 x 0.67 x 0.2 x 0.2 in
Ink types	Pigment-based
Print Cartridges, Number	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Print cartridge volume	300 ml
Print cartridge color	Cyan, magenta, yellow, matte black, photo black, chromatic red
Printheads	3 universal printheads (valid for all colors)
Printhead nozzles	2112 per color; 12,672 in total

Scan and copy

Linear scan speed	Color: Up to 13 in/sec; Grayscale: up to 13 in/sec[3]
Scan resolution	1200 dpi
Scan format	PDF, PDF/A, TIFF, JPEG, JPEG2000, DWF, CALS (B&W), multi-page PDF generation
Scan destinations	File, email, USB, HDD, network folder, FTP, print
Maximum scan width	42 in
Scan Size Minimum	6 x 4.5 in
Scanner Media Thickness Maximum	0.6 in
Technology	CCD scanning technology and LED-based illumination system
Settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, white point and black point adjust, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, accounting, batch, multipage PDF generation, invert, collate copy with reprint

Media

Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
Handling	Printer: Two automatic roll feeds, smart roll-switching, top sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts all HP Z-series printer-qualified media, including most canvas) Scanner: Straight-through scan paper path for sheet and cardboard originals, adjustable paper pressure for very thin media. Face-down, front entry, rear exit, rewind to front, use document return guide for front-return. Automatic high adjustment of scanner bridge for thick originals up to 15 mm (0.6 in) thickness.
Maximum media width	44 in
Media rolls	2
Roll size	11 to 44-in
Maximum roll weight	29.8 lb
Maximum roll diameter	5.3 in
Sheet size	8.3 x 11 to 44 x 66 in
Standard media sizes supported	Letter, Tabloid, C-size, D-size, E-size
Media thickness (maximum)	Up to 0.031 in
Media types	Printer: Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit; Scanner: Non-abrasive paper, vellum, Mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard, newspaper, tracing paper; Varying condition documents: old, delicate, folded, creased, crumpled, damaged originals (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)[4]; Scanner: 8 GB
Storage	Printer: 500 GB self-encrypting; Scanner: 256 GB
Native print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL

Connectivity

Interfaces	Printer: Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive; Scanner: Gigabit Ethernet (1000Base-T), USB 3.1 gen 1 (3+1) and USB 2.0 (1) rear
Printing paths	HP Click App for Windows and Mac, HPClick Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices; Windows, Linux and macOS printer driver; printing support for Chrome OS, print from USB pen drive, HP SmartStream, email printing
Drivers	Printer: HP Click Driver for Windows 11, Raster and PostScript3 driver for macOS and Windows, PDF driver for Windows; Scanner: Windows drivers for compatible HP PageWide XL and HP DesignJet Printers

Dimensions (W x D x H)

Product	Printer: 70.9 x 27.4 x 39.3 in Scanner: 60 x 37 x 65 in
Shipping	77 x 30 x 50 in

Weight

Product	Printer: 211 lb; Scanner: 157 lb
Shipping	511 lb

Included

What's in the box	Printer: HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter, quick reference guide, setup poster, power cord; Scanner: HP HD Pro 2 42-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 printing software, HP Web Jetadmin, HP DesignJet Utility including HP Color Center, HP Partner Link, HP Security Manager (optional), HP SmartStream (optional)

Environmental ranges

Operating temperature	41 to 95ºF
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131ºF

Acoustics

Sound pressure	Printing: Printer: 45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A)(sleep); Scanner: 48 dB(A) (operating), <22 dB(A) (idle), <22 dB(A) (sleep)
Sound power	Printing: Printer: 6.3 B(A) (operating), 5.1 B(A) (idle), <3.9 B(A)(sleep); Scanner: 6.4 B(A) (operating), <3.9 B(A) (idle), <3.9 B(A) (sleep)

Power

Consumption	Printer: <100 W (printing); <32 W (ready); <0.3 W (<6.5 W with embedded Digital Front End) (sleep); 0.1 W (off); Scanner: 130 W (scanning); 39 W (ready); <1 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

Certifications & Compliance

Safety	Printer: USA and Canada (CSA certified); EU (LVD and EN 62368-1 compliant); Khazakstan (EAC); Singapore (PSB); China (CCC); India (BIS); Scanner: USA and Canada (UL certified); EU (LVD and EN 60950-1 compliant); Singapore (PSB); China (CCC); Mexico; 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), Taiwan (BSMI), Russia (EAC)
Environmental	Printer: ENERGY STAR; ErP; 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	
2QX51Z	HP DesignJet HD Pro 2 44-in MFP Plus Edition

Accessories	
1QF38A	HP DesignJet 44-in Take-up Reel
CN538A	HP DesignJet 3-in Core Adapter
P7V13A	HP Pro Scanner Output Delivery Tray
Q6709A	HP DesignJet 44-in Spindle

Original HP printing supplies	
P2V25A	HP 746 DesignJet Printhead
P2V78A	HP 746 300-ml Magenta DesignJet Ink Cartridge
P2V79A	HP 746 300-ml Yellow DesignJet Ink Cartridge
P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
P2V82A	HP 746 300-ml Photo Black DesignJet Ink Cartridge
P2V83A	HP 746 300-ml Matte 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 Universal Instant-dry Satin Photo Paper (FSC® certified)[5] (Recyclable)[6]
HP Artist Matte Canvas
HP Heavyweight Coated Paper (FSC® certified)[5] (Recyclable)[6]
HP Everyday Matte Polypropylene (Recyclable)[6]
HP Premium Matte Photo Paper (FSC® certified)[5] (Recyclable)[6]
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U7UL9E HP 3 year Next Business Day plus DMR Support
U7UM1E HP 5 year Next Business Day plus DMR Support
H4518E HP Network Installation Service with Network Setup
U7UM2PE HP 1 year Post Warranty, Next Business Day plus DMR 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] Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] Except self-adhesive vinyls and non-cuttable medias.
[3] Color scanning: A1/D fully-inked color image at 200 dpi, 24-bit RGB. Monochrome scanning: A1/D image with black text graphics at 200 dpi.
[4] Based on 4 GB RAM.
[5] 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.
[6] 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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