

HP DesignJet HD Pro 2 44-in MFP



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



*Product image may differ from actual product

PRECISE—Excellent reproduction with CCD technology

- Reproduce colors with excellent accuracy with CCD technology that enables high-quality color scanning/copying.
- Efficiently handle complex images with an advanced five-camera system that captures detail in high precision.
- Scan maps, orthophotos, and technical drawings—even if old and damaged—with CCD technology for great results.
- Create large-format color and black-and-white scans up to 42-in (1067-mm) wide on thick¹, rigid media.

FAST—HD scanner designed to streamline workflows

- Scan fast—up to 13 inches (33 cm) per second in either color or monochrome.
- Accelerate workflows. Save scans as PDF, TIFF, JPEG, or DWF files. Do batch scanning. Create multipage PDFs.
- Scan to email, USB, network—or print with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer.
- Work comfortably with a 15.6" (396-mm) color touchscreen.

SECURE—Protect your work and your information

- Protect printers/data from unauthorized access with HP Secure Boot, Allowlisting, 500 GB encrypted hard disk.
- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.²
- Secure your printer with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.
- Reliable color—HP Professional PANTONE® color emulation, embedded Adobe® PostScript®, Adobe® PDF Print Engine.

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 Up to 0.6-in (15-mm) thickness.

² Card reader functionality enabled through optional third-party solutions.

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



Technical specifications

Print

Print speed	Fast-Economode: 866 ft ² /hr on plain media; Normal: 202 ft ² /hr on coated media; Best: 104 ft ² /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 (5 x 17 x 5 x 5 mm)
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
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 (33 cm/sec); Grayscale: up to 13 in/sec (33 cm/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 (1067 mm)
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 (279 to 1118-mm)
Maximum roll weight	29.8 lb (13.5 kg)
Maximum roll diameter	5.3 in (135 mm)
Sheet size	8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm)
Standard media sizes supported	A, B, C, D, E
Media thickness (maximum)	
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

Ordering information

Product	
20X51E	HP DesignJet HD Pro 2 44-in MFP
Accessories	
1QF38A	HP DesignJet 44-in Take-up Reel
CN538A	HP DesignJet 3-in Core Adapter
P7V13A	HP Pro Scanner Output Delivery Tray
O6709A	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

User Interface	15.6" (396-mm) large touchscreen to preview and enhance images
Memory	Printer: 128 GB (file-processing) ⁴ ; Scanner: 8 GB
Hard disk	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
Drivers	Printer: Raster and PostScript drivers for Windows and macOS; PDF driver for Windows 8 and above; 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 (1802 x 695 x 998 mm); Scanner: 60 x 37 x 65 in (1530 x 930 x 1660 mm)
Shipping	77 x 30 x 50 in (1950 x 766 x 1260 mm)

Weight

Product	Printer: 211 lb (96 kg); Scanner: 157 lb (71 kg)
Shipping	511 lb (232 kg)

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	Printer drivers, HP Click, HP Web Jetadmin, HP JetAdvantage Security Manager, HP DesignJet Utility including HP Color Center, HP MPS, integrated software with scan and copy enhancement features

Environmental ranges

Operating temperature	41 to 95°F (5 to 35°C)
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131°F (-25 to 55°C)

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); Scanner: USA and Canada (UL certified)
Electromagnetic	Printer: Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES); Scanner: Compliance for Class A ITE products: USA (FCC Rules), Canada (ICES)
Environmental	Printer: ENERGY STAR; ErP; WEEE; REACH; EPEAT; Scanner: ENERGY STAR; WEEE; REACH; EPEAT
Warranty	One-year limited hardware warranty
Country of origin	China(BIK, ABA,)

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

U7JL9E 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.

