Datasheet

HP DesignJet HD Pro 2 44-in MFP

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

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 thick[1], 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, whitelisting, 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.

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

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

[1] Up to 0.6-in (15-mm) thickness.
[2] Card reader functionality enabled through optional third-party solutions.

Technical specifications

Print	
Print speed	Fast-Economode: 866 ft²/hr on plain media Normal: 202 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 (5 x 17 x 5 x 5 mm)
Ink types	Pigment-based
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Printheads	3 universal printheads (valid for all colors)
Printhead nozzles	2112 per color; 12,672 in total
Multifunction capabilities	
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
Technology	CCD scanning technology and LED-based illumination system
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
Thickness	0.6 in (15 mm)
Media	
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.
Roll size	11 to 44-in (279 to 1118-mm)
Sheet size	8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm)
Standard sheets	A, B, C, D, E
Thickness	Up to 31.5 mil
Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
Memory	Printer: 128 GB (file-processing)[4]; Scanner: 8 GB
Hard disk	Printer: 500 GB self-encrypting; Scanner: 256 GB
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
Native print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
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)	
Printer	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	
Printer	Printer: 211 lb (96 kg) Scanner: 157 lb (71 kg)
Shipping	511 lb (232 kg)
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 95ºF (5 to 35ºC)
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131ºF (-25 to 55ºC)
Acoustics	
Sound pressure	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	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

Certification	
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

Ordering information

Product	
2QX51E	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
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 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

[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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