



# 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<sup>1</sup>, 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.<sup>2</sup>
- 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>

<sup>1</sup> Up to 0.6-in (15-mm) thickness.

<sup>2</sup> Card reader functionality enabled through optional third-party solutions.

# Technical specifications

| Print                      |  |
|----------------------------|--|
| Print speed                | Fast-Economode: 866 ft <sup>2</sup> /hr on plain media<br>Normal: 202 ft <sup>2</sup> /hr on coated media<br>Best: 104 ft <sup>2</sup> /hr on glossy media <sup>1</sup>  |
| Print resolution           | Up to 2400 x 1200 optimized dpi  |
| Technology                 | HP Thermal Inkjet  |
| Margins                    | Roll: Borderless on all media with V-Trimmer <sup>2</sup><br>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)<br>Grayscale: up to 13 in/sec (33 cm/sec) <sup>3</sup>  |
| 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)<br>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) <sup>4</sup> ; 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<br>PDF driver for Windows 8 and above<br>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)<br>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)<br>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 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             | 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

|        |                                 |
|--------|---------------------------------|
| ZQX51E | HP DesignJet HD Pro 2 44-in MFP |
|--------|---------------------------------|

## Accessories

|        |                                     |
|--------|-------------------------------------|
| 1QF3BA | HP DesignJet 44-in Take-up Reel     |
| CN53BA | 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](http://hp.com/go/OriginalHPInks).

## Original HP large format printing materials

|  |
|--|
| HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>5</sup> (Recyclable) <sup>6</sup> |
| HP Artist Matte Canvas   |
| HP Heavyweight Coated Paper (FSC® certified) <sup>5</sup> (Recyclable) <sup>6</sup>                |
| HP Everyday Matte Polypropylene (Recyclable) <sup>6</sup>  |
| HP Premium Matte Photo Paper (FSC® certified) <sup>5</sup> (Recyclable) <sup>6</sup>               |

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://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>

<sup>1</sup> Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.

<sup>2</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>3</sup> 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.

<sup>4</sup> Based on 4 GB RAM.

<sup>5</sup> 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.

<sup>6</sup> 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.

