



HP Designjet Z2100 Photo Printer series

HP's affordable 8-ink printer to produce durable prints



High-impact, long-lasting color prints

- Produce vivid, high-quality color and black-and-white prints that impress your customers.
- Get rich, dark blacks on matte and glossy papers with matte black and photo black HP Photo Inks.
- 8 Original HP Photo Inks deliver durable prints in color and black-and-white lasting up to 200 years¹.
- Save time with borderless printing² and fast-drying HP Photo Inks.

Easy color calibration and profiling

- Generate custom ICC profiles and achieve color accuracy, consistency with the embedded spectrophotometer³.
- See consistent print-to-print color regardless of fluctuating environmental conditions with HP technologies.
- Boost color accuracy—complete coverage of SWOP, ISO, GRACOL, 3DAP, EUROSCALE, TOYO, and FOGRA gamut.
- Supported by industry leaders, including EFI, X-Rite, GMG, ColorByte, Adobe, Creo, and Apple.

Unattended operation with HP technologies

- Optimize performance, ink usage—automatic servicing routines help prevent nozzle clogging, reduce media waste.
- Save time—HP Printer Utility software provides printer status, desktop alerts, and automatic updates.
- Get assistance—HP Color Center tool effortlessly guides you through color management and printing.
- Eliminate trial and error with real-time layout and orientation preview.

¹ Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see globalBMG.com/hp/printpermanence.



² Photo paper is required to print borderless images.

³ Embedded in this HP Designjet Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

Technical specifications

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| Print | Color images ⁴ | Fast: 2 min/page on A1/D or up to 13.9 m ² /hr (150 ft ² /hr) on coated media Best: 15 min/page on A1/D or up to 1.6 m ² /hr (17 ft ² /hr) on glossy media |
| | Print resolution | Up to 2400 x 1200 optimized dpi |
| | Margins (top x bottom x left x right) | Roll: 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) (borderless on photo roll media); Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in) |
| | Technology | HP Thermal Inkjet |
| Image quality | Color accuracy | Median < 1.6 dE2000, 95% of colors < 2.8 dE2000 ⁵ |
| | Short-term color stability | < 1 dE2000 in less than 5 minutes ⁶ |
| | Long term print-to-print repeatability | Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 ⁶ |
| | Maximum optical density | 4 L* min/2.5 D ⁷ |
| Media | Handling | Sheet feed, roll feed, media bin ⁸ , automatic cutter (cuts all media except canvas) |
| | Weight | Up to 500 g/m ² (133 lb) |
| | Size | 24-in models: 216 x 279 to 610 x 1676-mm (8.5 x 11 to 24 x 66-in) sheets; 279 to 610-mm (11 to 24-in) rolls 44-in models: 216 x 279 to 1118 x 1676-mm (8.5 x 11 to 44 x 66-in) sheets; 279 to 1118-mm (11 to 44-in) rolls |
| | Thickness | Up to 0.8 mm (31.5 mil) |
| Applications | Ortphotos, Layouts and comps, Mockups, Photos, Digital fine art, Proofs | |
| Memory | 128 MB standard memory, 80 GB hard disk | |
| Connectivity | Interfaces (standard) | Fast Ethernet (100Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot |
| | Print languages | HP PCL 3 GUI |
| Dimensions (w x d x h) | Printer with stand ⁹ | 24-in: 1262 x 690 x 1047 mm (49.7 x 27.2 x 41.2 in) 44-in: 1770 x 690 x 1047 mm (69.7 x 27.2 x 41.2 in) |
| | Shipping | 24-in: 1470 x 780 x 740 mm (57.8 x 30.7 x 29.1 in) (NA, LAR, EMEA) 1660 x 770 x 590 mm (65.3 x 30.3 x 23.2 in) (AP) 44-in: 1965 x 780 x 780 mm (77.3 x 30.7 x 30.7 in) |
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| Weight | Printer with stand ⁹ | 24-in: 65 kg (143 lb) 44-in: 86 kg (189 lb) |
| | Shipping | 24-in: 102 kg (225 lb) (NA, LAR, EMEA); 88.5 kg (195) (AP) 44-in: 123 kg (271 lb) |
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| What's in the box | HP Designjet Z2100 Photo Printer, spindle, printheads, introductory ink cartridges, printer stand and media bin ⁸ , rear tray, 3-in core adapter, quick reference guide, setup poster, USB cable, power cord, HP Start-up kit including printer software and training | |
| Environmental ranges | Operating temperature | 5 to 40°C (41 to 104°F) |
| | Storage temperature | -25 to 55°C (-13 to 131°F) |
| | Operating humidity | 20 to 80% RH |
| Acoustic | Sound pressure | 49 dB(A) (active), 29 dB(A) (standby) |
| | Sound power | 6.5 B(A) (active); 4.4 B(A) (standby) |
| Power consumption | | < 170 watts (printing), < 31 watts (ready), < 12 watts (< 30 watts with embedded Digital Front End) (sleep), 0.1 watts (off) |
| | Requirements: Input voltage (auto ranging): | 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 A maximum |
| Certification | Safety | USA and Canada (CSA certified), EU (LVD and EN 60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS) |
| | Electromagnetic | Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC) |
| | Environmental | ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, FEMP |
| Warranty | One-year limited hardware warranty | |

Ordering information

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| Product | Q6675D | HP Designjet Z2100 24-in Photo Printer |
| | Q6677D | HP Designjet Z2100 44-in Photo Printer |
| Accessories | Q6663A | HP Designjet T/Z 24-in Stand (AP only) |
| | Q6700A | HP Designjet Z/T1xxx/T6xx 24-in Spindle |
| | Q6699A | HP Designjet Z 44-in Spindle |
| | G6H51A | HP Designjet HD Pro Scanner |
| Original HP printheads | C9404A | HP 70 Matte Black and Cyan Printhead |
| | C9405A | HP 70 Light Magenta and Light Cyan Printhead |
| | C9406A | HP 70 Magenta and Yellow Printhead |
| | C9407A | HP 70 Photo Black and Light Gray Printhead |
| Original HP ink cartridges and maintenance supplies | C9448A | HP 70 130-ml Matte Black Ink Cartridge |
| | C9449A | HP 70 130-ml Photo Black Ink Cartridge |
| | C9451A | HP 70 130-ml Light Gray Ink Cartridge |
| | C9452A | HP 70 130-ml Cyan Ink Cartridge |
| | C9453A | HP 70 130-ml Magenta Ink Cartridge |
| | C9454A | HP 70 130-ml Yellow Ink Cartridge |
| | C9455A | HP 70 130-ml Light Magenta Ink Cartridge |
| | C9390A | HP 70 130-ml Light Cyan Ink Cartridge |
| Original HP large format printing materials | C2T50A | HP Universal Matte Canvas 610 mm x 15.2 m (24 in x 50 ft) |
| | B5E92A | HP Artist Matte Canvas 610 mm x 15.2 m (24 in x 50 ft) |
| | Q8747A | HP Premium Vivid Color Backlit Film  ⁹ 914 mm x 30.5 m (36 in x 100 ft) |
| | Q7994A | HP Premium Instant-dry Satin Photo Paper (FSC® certified) ¹⁰  ¹¹ 914 mm x 30.5 m (36 in x 100 ft) |
| Service and Support | UF028PE | HP 1 year Post Warranty Next-Business-Day Onsite Service |
| | UF017E | HP 3 year Next Business Day Onsite Support |
| | UF018E | HP 4 year Next Business Day Onsite Support |
| | UF019E | HP 5 year Next Business Day Onsite Support |
| | H7604E | HP Installation Service ¹² |
| | H4518E | HP Installation with network configuration Service |
| | UK503E | HP 3 year Next Business Day Onsite Support with Defective Media Retention ¹³ |
| UK504PE | HP 1 year Post Warranty Next Business Day Onsite Support with Defective Media Retention ¹³ | |

HP Designjet Support Services offer solutions for business critical environments — installation, extended support and maintenance, as well as variety of value added services.

For more information, please visit hp.com/go/designjetsupport.

Use HP Photo Inks and printheads to experience consistent high-quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance¹⁴.

For more information, visit hp.com/go/OriginalHPInks.

For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.

⁴ Mechanical printing time with Original HP inks. Measured on a 44-in model.

⁵ ICC absolute colorimetric accuracy on HP Proofing Matte paper with Original HP inks.

⁶ With HP Premium Instant Dry Photo Satin media and Original HP inks, right after calibration.

⁷ With HP Premium Instant Dry Photo Gloss media and Original HP inks.

⁸ Not included in the box in Asia Pacific for 24-in models.

⁹ HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See hp.com/recycle for details.

¹⁰ FSC® trademark license code FSC®-C017543, see fsc.org. Not all FSC® - certified product is available in all regions.

¹¹ Papers can be recycled according to region-specific practices. In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.

¹² Not available in North America and Latin America.

¹³ Not available in Europe, Middle East and Africa.

¹⁴ Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media with Original HP inks. See globalBMG.com/hp/printpermanence.

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