

HP Designjet Z2100 Photo Printer series



HP's 8-ink Designjet delivers superior colour accuracy and consistency with the first-ever embedded spectrophotometer ¹. Produce vivid, large format prints (up to 24" or 44") in colour or black-and-white with 8 new HP Vivera pigment inks.

Ideal for graphic designers, fine artists and photographers who need to create high-quality, large format (24" to 44") prints and concept proofs with accurate and consistent colours.



HP Designjet Z2100 24" Photo Printer



HP Designjet Z2100 GP 24" Photo Printer



HP Designjet Z2100 44" Photo Printer

Create vivid high-impact colour or true black-and-white prints with 8 new HP Vivera pigment inks.

- Print rich, dark blacks without wasting ink and money swapping ink cartridges
- The 8 HP Vivera pigment ink cartridges within this Designjet contain three-black inks: matte black, photo black and light grey
- Choose from the wide variety of HP photographic, fine-art and proofing media or boost your creativity with specialty papers from other vendors such as Hahnemühle
- Print with or without borders
- Produce high-quality prints that are water resistant and remain unchanged for up to 200 years ²

Achieve consistent, accurate colour with the first-ever embedded spectrophotometer.

- Get colour accuracy on any paper — HP's first-ever embedded spectrophotometer enables the printer to automatically generate custom ICC profiles for your preferred paper, simply and in less than 20 minutes
- This HP Designjet provides complete coverage of SWOP, ISO, EUROSCALE and FOGRA standards for colour accuracy in pre-press applications
- Expect predictable and consistent colours print to print, day by day, across all HP Designjet Z series printers thanks to precise advanced colour calibration

Print with complete confidence - HP preview and printhead technologies ensure reliable results.

- Save time and money with advanced HP's preview technologies which help eliminate trial and error by letting you preview layout, size and position of your print on your paper
- The HP Color Center tool guides you through colour management and printing
- Save time and maintain your HP Designjet with HP Easy Printer Care Software: monitor printer and supplies status, get desktop alerts and automatic updates
- Expect the best possible image quality with long-lasting printheads that are easy to replace

¹ With i1 colour technology.

² Based on internal HP light-fade testing on a range of HP creative and specialty papers
Confirmation tests in progress at Wilhelm Imaging Research, Inc
See <http://www.hp.com/go/supplies/printpermanence> for details.

Technical specifications

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| Print technology | HP Scalable Printing Technology | |
| Printhead nozzles | 8448 (1056 nozzles per colour) | |
| Print quality | Up to 2400 x 1200 optimised dpi from 1200 x 1200 input dpi with maximum detail selected | |
| Number of inks | 8 (Cyan, Light Cyan, Magenta, Light Magenta, Yellow, Light Gray, Photo Black, Matte Black) | |
| Ink types | HP Vivera pigmented inks | |
| Ink drop size | 4 pl (L, M, lg, pK), 6 pl (C, M, Y, mK) | |
| Lightfastness | Over 200 years (media dependent). Based on internal HP light-fade testing on HP Super Heavyweight Plus Matte Paper, HP Hahnemühle Smooth Fine Art Paper, HP Hahnemühle Watercolour Paper, HP Artist Matte Canvas. Confirmation tests in progress at Wilhelm Imaging Research, Inc. For details, see http://www.wilhelm-research.com . | |
| Print speed | Economic quality: A1 colour image: 2.2 min/page (coated), 6.1 min/page (glossy). Productivity quality: A1 colour image: 3.8 min/page (coated), 7.5 min/page (glossy). Photo quality: A1 colour image: 9.9 min/page (coated), 13.1 min/page (glossy) | |
| Line | Line accuracy: +/- 0.2%. Minimum width: 0.0508 mm | |
| Print languages | HP PCL3 GUI. Optional: HP-GI2/RTL via Q6692A HP-GI/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo Printer series | |
| Print margins (mm) | Roll | Sheet |
| | top: | 5 mm or borderless |
| | bottom: | 5 mm or borderless |
| | left: | 5 mm or borderless |
| | right: | 5 mm or borderless |
| Media types | Paper [plain, coated, heavyweight coated, super heavyweight coated, natural tracing, bond, translucent bond, photo (satin, gloss, semi-gloss), satin matte, proofing (contract, matte), colour-lucent backlit UV, matte adhesive backed, fine arts (smooth, textured), glossy, matte litho-realistic, billboard paper blue back], vellum, film (clear, matte, polyester, durable display), transparencies, labels, banner (gloss, Tyvek), opaque scrim, durable flag fabric, paper-backed fabric polyester, paper-backed fabric silk satin, polypropylene matte, canvas (matte, satin, paper) | |
| Media sizes | Standard: All standard sizes larger than A4 | |
| Maximum media length | Roll: 91.4 m. Sheet: 1676.4 mm | |
| Maximum media width | DJ Z2100 24": 610 mm; DJ Z2100 GP 24": 610 mm; DJ Z2100 44": 1117 mm | |
| Maximum print length | 91 m (OS and application dependent) | |
| Media thickness | Up to 0.9 mm | |
| Recommended media weight | Up to 500 g/m ² | |
| Roll | Maximum diameter: 140 cm | |
| Media handling | Sheetfeed (manual single-sheet feed through rear path), roll feed, automatic cutter (cuts all media except canvas) | |
| Interface and connectivity | Standard: 1 10/100 BT Ethernet RJ-45 port, 1 Hi-Speed USB (compatible with USB 2.0 specifications) port, 1 EIO Jetdirect accessory slot. Optional: HP Jetdirect EIO print servers | |
| Control panel | 240 x 160 pixel greyscale graphical display, 4 direct access buttons, 7 navigation buttons and 2 bicolor lights (Ready, Processing, Attention, Error) | |
| Drivers included | HP PCL 3 GUI driver, HP Color Center, HP Easy Printer Care Software | |
| Software | Printer drivers (HP PCL 3 GUI, HP-GI2/RTL via Q6692A HP-GI/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo Printer series), HP Color Center, HP Easy Printer Care Software | |
| Operating systems compatibility | Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services. Latest driver upgrade information available on http://www.hp.designjet.com | |
| Network operating systems compatibility | Windows® 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003, Novell NetWare 5.x, 6.x, Mac OS 10.2 and higher, Citrix MetaFrame, Windows® Terminal Services | |
| Minimum system requirements | Windows® 2000: Pentium® III processor, 256 MB RAM, 2 GB available hard disk space, 733 MHz; Windows® XP Professional: Pentium® IV processor, 512 MB RAM, 2 GB available hard disk space, 1 GHz. Mac G3 dual processor, 512 MB RAM, 1 GB available hard disk space | |
| Recommended system requirements | Windows® 2000: Pentium® III processor, 256 MB RAM, 2 GB available hard disk space, 733 MHz; Windows® XP Professional: Pentium® IV processor, 512 MB RAM, 2 GB available hard disk space, 1 GHz. Mac G3 dual processor, 512 MB RAM, 1 GB available hard disk space | |
| Power | Requirements: Input voltage: autoranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 amp maximum. Supply: Built-in universal power supply. Consumption: 200 watts maximum | |
| Dimensions (w x d x h) | Out of package: DJ Z2100 24": 1262 x 661 x 1047 mm; DJ Z2100 GP 24": 1262 x 661 x 1047 mm; DJ Z2100 44": 1770 x 661 x 1047 mm. Packaged: DJ Z2100 24": 1408 x 752 x 616 mm; DJ Z2100 44": 1960 x 775 x 600 mm | |
| Weight | Out of package: DJ Z2100 24": 65 kg; DJ Z2100 GP 24": 65 kg; DJ Z2100 44": 86 kg. Packaged: DJ Z2100 24": 73 kg; DJ Z2100 GP 24": 73 kg; DJ Z2100 44": 115 kg | |
| Operating environment | Operating temperature: 5 to 40°C. Recommended operating temperature: 15 to 35°C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 20 to 80% RH. Storage temperature: -20 to 55°C. Storage humidity: 0 to 95% RH. Sound pressure: LpAm 6.5 B(A) | |
| Certifications | Safety: IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI. EMC certifications: Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI). | |
| Warranty | Standard Warranty: One year next business day onsite support. 1 year Warranty Extension (next business day onsite support or same business day onsite support with 4 hours response), 3 year HP Care Pack (Two options: next day onsite support, same business day onsite support with 4 hours response), basic installation, setup and network | |

Ordering information

Q6675A HP Designjet Z2100 24 inch Photo Printer, spindle, printheads (4 x 2 colours), ink cartridges (8 x 69 ml), media high gloss photo sample roll (610 mm x 4.5 m), stand (24"), rear tray (24"), Adaptor Kit (3 inch) for spindle (2), quick reference guide, set-up poster, USB cable, power cord, free HP media sample kit, HP media swatchbook

Q6675B HP Designjet Z2100 GP 24" Photo Printer as Q6675A plus HP Advanced Profiling Solution
Q6677A HP Designjet Z2100 44" Photo Printer as Q6675A plus 44-inch capabilities

Accessories

Q6698A HP Designjet Zx100 44 inch Spindle for Technical
Q6699A HP Designjet Zx100 44 inch Spindle for Graphics
Q6700A HP Designjet Zx100 24 inch Spindle
Q6695A HP Advanced Profiling Solution
Q6692A HP-GI/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series
Q6641D EfiDesigner 5.1 for HP M
Q6643D EfiDesigner 5.1 for HP XL

Ink supplies

C9448A HP 70 130 ml Matte Black Ink Cartridge with Vivera Ink
C9449A HP 70 130 ml Photo Black Ink Cartridge with Vivera Ink
C9451A HP 70 130 ml Light Grey Ink Cartridge with Vivera Ink
C9452A HP 70 130 ml Cyan Ink Cartridge with Vivera Ink
C9453A HP 70 130 ml Magenta Ink Cartridge with Vivera Ink
C9454A HP 70 130 ml Yellow Ink Cartridge with Vivera Ink
C9455A HP 70 130 ml Light Magenta Ink Cartridge with Vivera Ink
C9390A HP 70 130 ml Light Cyan Ink Cartridge with Vivera Ink

Service & support

UF017A/E HP Care Pack, Next Business Day On Site, 3 years
UF023A/E HP Care Pack, 13x5 Same Business Day On site in 4 hours, 3 years
UF028PE HP Care Pack, Post warranty, Next Business Day On Site, 1 year
UF027PE HP Care Pack, Post warranty, 13x5 Same Business Day On Site in 4 hours, 1 year
UF018E HP Care Pack, Next Business Day On Site, 4 years
UF019E HP Care Pack, Next Business Day On Site, 5 years
H4518E HP Care Pack, Installation & Network Configuration

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com/go/designjet>



tel: 0871 222 2816
email: info@plot-it.co.uk
www.plot-it.co.uk

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