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.

HP Designjet Z2100 24"
Photo Printer

HP Designjet Z2100 GP
24" Photo Printer

HP Designjet Z2100 44"
Photo Printer

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.

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.

hp invent

Technical specifications

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 (lc, lm, 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-Gl2/RTL via Q6692A HP-Gl/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo Printer series

Print margins (mm)		Roll		Sheet
	top:	5 mm or borderless		5 mm
	bottom:	5 mm or borderless		17 mm
	left:	5 mm or borderless		5 mm
	right:	5 mm or borderless		5 mm

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), colourlurcent 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/m²
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 bicolour 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-Gl2/RTL via Q6692A HP-Gl/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 Q66754 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-Gl/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series

Q6641D Efi Designer 5.1 for HP M

Q6643D Efi Designer 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

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