HP Designjet Z3100 Photo Printer series

See exquisite quality using the new HP 12-ink Designjet with HP Vivera pigment inks and the first-ever embedded spectrophotometer. Get breakthrough colour accuracy across a variety of papers, and easy, reliable printing while keeping costs down.

**HP Designjet Z3100 24"
Photo Printer**

**HP Designjet Z3100 GP
24" Photo Printer**

**HP Designjet Z3100 44"
Photo Printer**

Ideal for professional photographers, fine artists and pre-press professionals who need to create outstanding and long-lasting exhibition and sellable prints, digital art and contract proofs with accurate and consistent colours.

Produce exquisite, fade-resistant colour and black-and-white prints with 12 HP Vivera pigment inks.
- Get water resistant prints that last for up to 200 years [1]
- The HP quad-black inks: matte black, photo black, grey, and light grey deliver true grey neutrality with smooth tonal transitions and outstanding optical density
- Create black-and-white prints without wasting ink and money swapping ink cartridges
- Enjoy large color gamut with new red, green and blue inks
- Have over 80% PANTONE colours covered [2]
- Get superior gloss uniformity and eliminate bronzing with HP gloss enhancer [3]

HP's first-ever embedded spectrophotometer [4] delivers unrivalled colour accuracy and consistency.
- Get colour accuracy on any paper - HP's first-ever embedded spectrophotometer [4] 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, consistent colours print after print, day by day, across all HP Designjet Z series printers thanks to precise colour calibration

Get the results you expect every time you print with HP preview and printhead technologies.
- Save time and money with HP's advanced 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 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] Display permanence rating by Wilhelm Imaging Research, Inc on a range of HP creative and specialty media.
For details:www.hp.com/go/supplies/printpermanence

[2] HP's preliminary, internal results have shown the HP Designjet Z Photo Printer series is capable of successfully simulating over 80% of the PANTONE colors
HP Designjet Z2100 and Z3100 Photo Printers are pending PANTONE-licensing

[3] Bronzing is eliminated as an image-quality issue when HP gloss enhancer is used on photo paper

[4] With i1 colour technology.

Technical specifications

Print technology	HP Scalable Printing Technology
Printhead nozzles	12672 (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	Light Cyan, Magenta, Light Magenta, Yellow, Red, Green, Blue, Light Grey, Grey, Photo Black, Matte Black, Gloss Enhancer
Ink types	HP Vivera pigment inks
Ink drop size	4 pl (lc, lm, lg, pK, E, G), 6 pl (M, Y, mK, R, GN, B)
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. Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. For details refer to http://www.hp.com/go/supplies/printpermanence.
Print speed	Economic quality: A1 colour image: 2.0 min/page (coated), 5.8 min/page (glossy). Productivity quality: A1 colour image: 4.2 min/page (coated), 7.9 min/page (glossy). Photo quality: A1 colour image: 9.8 min/page (coated), 15.0 min/page (glossy)
Line	Line accuracy: +/- 0.2%. Minimum width: 0.0508 mm
Print languages	HP PCL 3 GUI. Optional: HP GL2/RTL via Q6692A HP-Gl/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo Printer series
Memory	Standard : 128 MB

Print margins (mm)

	Roll	Sheet
top:	5 mm or borderless	5 mm
bottom:	5 mm or borderless	14 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), colourlurect 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 Z3100 24": 610 mm; DJ Z3100 GP 24": 610 mm; DJ Z3100 44": 1117 mm
Maximum print length	91 m (OS and application dependent)
Media thickness	Up to 0.8 mm
Recommended media weight	500 g/m²
Roll	Maximum diameter: 136 mm
Media handling	Sheetfeed, roll feed, automatic cutter (cuts all media except canvas)
Interface and connectivity	Standard: Hi-Speed USB (compatible with USB 2.0 specifications), 10/100 BT Ethernet RJ-45, 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, HPGL2/RTL via HP GL2 Software accessory), 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.com/designjet
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 Z3100 24": 1262 x 732 x 1047 mm; DJ Z3100 GP 24": 1262 x 732 x 1047 mm; DJ Z3100 44": 1770 x 732 x 1047 mm. Packaged: DJ Z3100 24": 1470 x 780 x 740 mm; DJ Z3100 GP 24": 1470 x 780 x 740 mm; DJ Z3100 44": 1960 x 775 x 600 mm
Weight	Out of package: DJ Z3100 24": 65 kg; DJ Z3100 GP 24": 65 kg; DJ Z3100 44": 86 kg. Packaged: DJ Z3100 24": 102 kg; DJ Z3100 GP 24": 102 kg; DJ Z3100 44": 123 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

Q5669A HP Designjet Z3100 24 inch Photo Printer, spindle, printheads (4 x 2 colours), ink cartridges (12 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

Q5669B HP Designjet Z3100 GP 24" Photo Printer as Q5669A plus HP Advanced Profiling Solution

Q6659A HP Designjet Z3100 44" Photo Printer as Q5669A 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

C9390A HP 70 130 ml Light Cyan Ink Cartridge with Vivera Ink

C9448A HP 70 130 ml Matte Black Ink Cartridge with Vivera Ink

C9449A HP 70 130 ml Photo Black Ink Cartridge with Vivera Ink

C9450A HP 70 130 ml Grey Ink Cartridge with Vivera Ink

C9451A HP 70 130 ml Light Grey 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

C9456A HP 70 130 ml Red Ink Cartridge with Vivera Ink

C9457A HP 70 130 ml Green Ink Cartridge with Vivera Ink

C9458A HP 70 130 ml Blue Ink Cartridge with Vivera Ink

C9459A HP 70 130 ml Gloss Enhancer Ink Cartridge

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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