

HP Designjet Z2100 Photo Printer series

For professionals who need to deliver stunning and compelling output that lasts, the HP Designjet Z2100 Photo Printer series delivers superior quality, durability and consistency. Count on HP for printing that's easy, reliable and predictable.



Impressive prints that last

Get vivid, long-lasting quality with HP Vivera pigment inks.

- **Output spectacular high-quality color photos, renderings and presentations.** HP 70 Vivera pigment inks with an 8-ink printing system achieve consistently outstanding image quality. The precisely placed 4 and 6 pl ink drops, along with resolution of 2400 dpi, highlight even the most intricate details.
- **Water-resistant prints resist fading.** Your photos, posters, presentations and maps will be water-resistant¹ and will resist fading for over 200 years² on a range of basic and specialty media.
- **The Three-black ink set (matte black, photo black and light gray).** Ensure true neutral tones and rich, deep blacks. You can even print on matte or glossy paper without having to waste time and ink exchanging cartridges.

Breakthrough color

Achieve consistent and accurate color.

- **Expect superior and consistent color from print to print.** The first-ever embedded spectrophotometer with i1 color technology enables the printer to automatically generate custom ICC profiles for your preferred paper and calibrates the printer to deliver print-to-print and printer-to-printer repeatability.
- **Present projects on media that supports your vision.** Achieve consistent colors on a wide range of papers. Choose from over 30 new HP papers and other readily available media.

- **Fast color stability covers a broad gamut.** Output stable proofs in less than 5 minutes and with over 80% PANTONE[®] coverage³, including full compliance with prepress standards.
- **Glide effortlessly through color management and printing** with the HP Color Center tool.

True print confidence

Print with greater confidence, thanks to dependable HP technologies.

- **Achieve flawless output every time.** To ensure dependable and consistent image quality every time, the drop-ejection performance of every nozzle is periodically and automatically tested with an Optical Drop Detector.
- **Eliminate trial and error with real-time layout and orientation preview.** Take the guesswork out of margins. Save time and materials.
- **Spend less time waiting.** The new and powerful internal processor uses 128 MB of standard memory and a 40 GB hard disk so that productivity is high, even for very complex prints. And thanks to HP Vivera pigment inks, the output dries instantly and can be used as soon as it has been printed.
- **Benefit from HP Services.** A number of complimentary services are provided to assist you during installation and throughout your printing workflow. For enhanced assistance, purchase from the extensive portfolio of service options available.

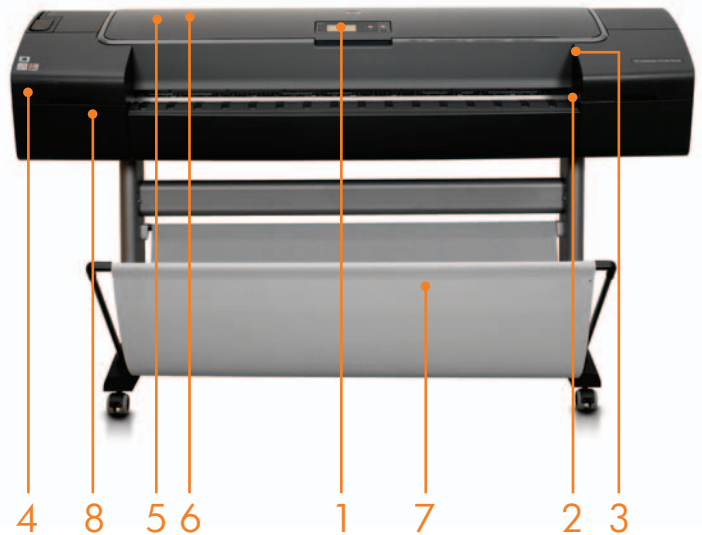
¹ Water resistance ratings tested by HP Image Permanence Lab on a range of HP media with Original HP 70 Vivera pigment inks. For details: www.hp.com/go/supplies/printpermanence

² Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. For details: <http://www.hp.com/go/supplies/printpermanence>

³ HP's preliminary, internal results have shown that 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

HP Designjet Z2100 Photo Printer series

1. LCD front panel and direct access keys for ink supply maintenance and print message alerts
2. Front bypass slot accommodates media up to 24 in./610 mm wide (24-inch printer) or up to 44 in./1117 mm (44-inch printer)
3. Mounted on the carriage, the embedded spectrophotometer brings accurate profiling and precision color calibration
4. Rear USB 2.0 High Speed and 10/100 BT Ethernet connection for TCP/IP. Free slot for additional network connectivity with 1 EIO HP Jetdirect card
5. Rear bypass slot handles heavy and rigid media of weights up to 500 g/m² and thickness up to 0.8 mm
6. Roll feed (located at the back of the printer) feeds rolls up to 24 in./610 mm wide (for 24-inch printer) or up to 44 in./1117 mm (for 44-inch printer) and 300 ft/91 m long
7. Media bin
8. HP Vivera pigment ink set with 4 pl and 6 pl drop size for prints that resist fading for over 200 years



Optional accessories

HP-GL/2 Upgrade Kit. For CAD customers that need improved line quality and network availability with the HP-GL/2 software key. The printer, rather than the computer, processes files for improved operating efficiency. Store and reprint files from the printer queue and print legacy HP-GL/2 files.

The HP Advanced Profiling Solution, powered by X-Rite technology, offers a color management system that works in combination with the spectrophotometer embedded in the printer. This automated solution enables you to perform: monitor profiling and calibration, ambient light and monitor-profile validation, RGB and CMYK profiling with optimized inkjet separations for HP Media in addition to the most common separations (Inkjet 260 and 400) and rigorous fine-tuning of printer color profiles. A very intuitive profile-editing wizard lets you match colors to various viewing conditions that use non-standard illuminants.

Additional 24- and 44-inch spindles make life easier for professional photographers and graphic designers, spare spindles mean that they can have different media types ready to load. Also available, for design professionals such as architects, engineers and GIS specialists, is an additional 44-inch spindle for easy switching between technical media rolls. This technical media spindle is recommended for use with Plain, Bright White Bond, Coated, Natural Tracing and Translucent Bond papers and Vellum.

The Efi Designer Edition 5.1 XL for HP is the recommended RIP and proofing application for your HP Designjet printer. Integrating this enables CMYK workflow support, PostScript® & PDF printing and accurate spot color management for designers, photographers and other creative professionals. A powerful, yet cost-effective digital proofing system that allows full control over digital proofing needs to speed up workflows, saving both time and money.

HP Vivera Pigment Inks



HP Media



HP Printhead



HP Embedded Spectrophotometer



Key technologies

HP Vivera pigment inks offer outstanding image quality and fade resistance on a wide variety of photo and fine art media, along with water resistance on a range of HP creative and specialty media. HP's proprietary Electrostatic Encapsulation Technology optimizes the pigment chemistry and ink properties for stability and performance to ensure a broad color gamut, print permanence, excellent gloss uniformity and reliable, accurate and consistent printing.

The HP embedded spectrophotometer with i1 Color Technology from X-Rite is mounted on the printer carriage and revolutionizes professional color workflows by automating media profiling. It allows users to automatically generate custom RGB ICC profiles for their preferred media and provides accurate measurements for printer calibration that delivers print-to-print and printer-to-printer color consistency. Also, with the optional HP Advanced Profiling Solution, you can edit and modify existing profiles and create CMYK profiles.

HP's 8-ink printing system is made up of the exclusive HP Vivera pigment ink formulation technology with HP 70 Printheads, each printing two colors of ink with 1,056 nozzles per color and the HP Three-black ink set. Ensures exceptional color accuracy and consistency: a valuable tool for graphic designers and prepress professionals who need repeatable results. The HP Designjet Z series are also the first large-format printers to employ HP Scalable Printing Technology, providing superior reliability and optimized ink consumption.

An extensive media portfolio: HP offers a portfolio of 9 photo papers, 10 digital fine art papers, 3 proofing papers, 9 bond and coated papers and over 30 other HP media. All have been tested with HP 70 Vivera pigment inks to deliver consistent, museum-quality prints that withstand the demands of handling, display and storage expected of professional prints.

High-quality creative prints, prepress proofs and technical images

Proofing

- Have proofs approved in record time: colors stabilize in less than 5 minutes.
- Print consistent and accurate colors across a wide range of media, thanks to automated printer calibration and ICC profiling.

- Produce high-quality black-and-white proofs: The 8 HP Vivera pigment inks include three blacks that give excellent gray neutrality.

Display graphics

- Print full-color, long-lasting posters, banners and displays on a wide range of media.
- Create persuasive marketing collateral, point-of-sales material and tradeshow displays with photo-quality images and consistent, accurate colors.

Design

- Make an impact by presenting concepts in large format and with accurate colors right from the start of your project. The printer covers over 80% of PANTONE colors.
- Get consistent colors, print after print and from one printer to another, thanks to automated printer calibration.

Technical presentations

- Produce impressive renderings and presentation panels with superior quality, consistency and durability.
- Three-black ink allows for greater realism in renderings with metal or stone.
- Images are smudge-resistant to minimize damage from repeated handling.

Commercial photography

- Create neutral black and white prints. No need to waste ink when changing between matte and glossy papers: all three blacks are always on board.
- Produce consistent and accurate color photo proofs, thanks to the printer's built-in calibration technology and broad color gamut.
- Print on almost any media—the printer creates media profiles for you and you can use thick stock of up to 500 g/m².

Mapping

- Maps and satellite images show more detail and gradations thanks to small drop size and precise placement.
- Output resists fading and is water-resistant, so maps can be used in the field.
- Colors are consistent, so subtle differences can be seen and studied over time.

HP Designjet Z2100 Photo Printer series

Technical specifications

Print Speed	
Best	15 min/page on D/A1 or up to 17 ft ² /h (color image on glossy paper) 9.8 min/page on D/A1 or up to 31 ft ² /h (color image on coated paper)
Normal	7.9 min/page on D/A1 or up to 38 ft ² /h (color image on glossy paper) 4.2 min/page on D/A1 or up to 72 ft ² /h (color image on coated paper)
Draft	5.8 min/page on D/A1 or up to 52 ft ² /h (color image on glossy paper) 2.0 min/page on D/A1 or up to 150 ft ² /h (color image on coated paper)
Resolution	
Best (Color and B&W)	2400 x 1200 optimized dpi
Normal (Color and B&W)	600 x 600 dpi
Draft (Color and B&W)	600 x 600 dpi
Memory	
HP Designjet Z2100 24-inch Photo Printer: 128 MB Standard memory, 40 GB hard disk HP Designjet Z2100 44-inch Photo Printer: 128 MB Standard memory, 40 GB hard disk	
Media Handling	
Types	Sheet feed, roll feed, automatic cutter (cuts all media except canvas) Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek [®] outdoor paper), bond and coated (bond, coated, heavyweight coated, super heavyweight coated)
Maximum weight	500 g/m ²
Size	HP Designjet Z2100 24-inch Photo Printer All standard sizes larger than Letter/A4 up to 24 in./610 mm wide HP Designjet Z2100 44-inch Photo Printer All standard sizes larger than Letter/A4 up to 44 in./1117 mm wide
Maximum external roll diameter	5.3 in./136 mm
Maximum roll length	300 ft/91 m
Printing	
Margins (top x bottom x right x left)	Roll: 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 x 5 mm (full bleed available on glossy roll media) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in./5 x 17 x 5 x 5 mm
Technology	HP Vivra pigment inks, HP Three-black ink set, HP Embedded Spectrophotometer
Ink cartridge colors	Light cyan, light magenta, light gray, photo black, cyan, magenta, yellow, matte black
Ink types	HP Vivra pigment inks
Ink drop	4 pl (light cyan, light magenta, light gray, photo black), 6 pl (cyan, magenta, yellow, matte black)
Ink cartridge size	130 ml ink cartridges; 130 ml ink cartridge twin packs also available
Nozzles	2 colors per printhead, 1056 nozzles per color
Maximum print length	300 ft/91 m (OS and application dependent)
Line accuracy	+/- 0.2 % ⁴
Light fastness	Over 200 years fade resistance
Water resistance	Water-resistant on a range of HP creative and specialty media
Connectivity	Standard: One 10/100 BT Ethernet, One USB 2.0 high-speed certified port, One EIO Jetdirect accessory slot Optional: HP Jetdirect EIO print servers
Print languages	Standard: HP PCL3GUI Optional: PS via optional software RIP, HP-GL2/RTL optional software solution
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 dE20004
Maximum optical density	L* / 2.4 D ⁷
Environmental ranges	
Operating temperature	41 to 104°F/5 to 40°C
Recommended operating temperature	59 to 95°F/15 to 35°C
Storage temperature	-13 to 131°F/-25 to 55°C
Recommended operating humidity	20 to 80% RH
Recommended storage humidity	0 to 95% RH
Acoustic	
Sound pressure	Active 44 dB(A) Standby 29 dB(A)
Sound power	Active 6.5 B(A) Standby 4.4 B(A)
Power consumption	
Active	200 watts
Maximum	200 watts
Powersave	27 watts
Standby	43 watts
Power requirements	Input voltage auto-ranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 Amp max
Certification	
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
Electromagnetic	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)
Energy Star [®] Compliant	Yes, ENERGY STAR [®] qualified models; see: http://www.hp.com/go/energystar
Press standard	100% coverage of SWOP, ISO and GRACOL, and 3DAP
Warranty	1 year warranty with on-site, next business day service
Warranty extensions	
UF028PE	HP 1-Year Post Warranty Next Business Day Onsite Service
HC132PE	HP Technical Phone Support
HP Care Pack Services	
UF017E	HP 3-Year Next Business Day Onsite Service
UF018E	HP 4-Year Next Business Day Onsite Service
UF019E	HP 5-Year Next Business Day Onsite Service
H7604E	HP Installation Service
H4518E	HP Installation with Network Configuration
Color Services	
UF050E	HP Color Expert Service 1-Year/5 cases
UF315E	HP Color Expert Service 1-Year/1 case

⁴ +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever is greater) at 23°C (73°F), 50-60% relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film roll feed

⁵ ICC absolute colorimetric accuracy on HP Proofing Matte paper

⁶ With HP Premium Instant-dry Photo Satin media, right after calibration

⁷ With HP Premium Instant-dry Photo Gloss media

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Recommended system requirements	
Macintosh	Mac OS X v10.2, v10.3, v10.4 and later, PowerPC G4, G5, or Intel [®] Core Processor, 1 GB RAM, 2 GB available hard disk
Windows	Microsoft [®] Windows XP or 2000: Pentium [®] IV, 3 GHz, 1GB RAM, 2 GB available hard disk
Dimensions (w x d x h)	
Printer with stand	HP Designjet Z2100 24-inch Photo Printer 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm HP Designjet Z2100 44-inch Photo Printer 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm
Shipping dimensions	
	HP Designjet Z2100 24-inch Photo Printer 57.8 x 30.7 x 29.1 in./1470 x 780 x 740 mm HP Designjet Z2100 44-inch Photo Printer 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm
Weight	
Printer with stand	HP Designjet Z2100 24-inch Photo Printer 143 lb/65 kg HP Designjet Z2100 44-inch Photo Printer 189 lb/86 kg
Shipping weight	
	HP Designjet Z2100 24-inch Photo Printer 225 lb/102 kg HP Designjet Z2100 44-inch Photo Printer 271 lb/123 kg

What's in the box

HP Designjet Z2100 24-inch Photo Printer: spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (24 in. x 15 ft), stand (24 in.), rear tray (24 in.), adaptor 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

HP Designjet Z2100 44-inch Photo Printer: spindle, technical spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (36 in. x 15 ft), stand (44 in.), rear tray (44 in.), 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

Ordering information

Product

Q6675A HP Designjet Z2100 24-inch Photo Printer
Q6677A HP Designjet Z2100 44-inch Photo Printer

Accessories

Q6643D EFI Designer 5.1 for HP XL International
Q6692B HP GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series
Q6695A HP Advanced Profiling Solution International
Q6698A HP Designjet ZX100 44-inch Spindle for printing on technical media
Q6699A HP Designjet ZX100 44-inch Spindle for graphics (spare, for easy media switching)
Q6700A HP Designjet ZX100 24-inch Spindle for graphics (spare, for easy media switching)

Printing supplies

Printheads

C9404A HP 70 Matte Black & Cyan Printhead
C9405A HP 70 Light Magenta & Light Cyan Printhead
C9406A HP 70 Magenta & Yellow Printhead
C9407A HP 70 Photo Black & Light Gray Printhead

130 ml ink cartridges

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

Ink cartridge twin packs

CB339A HP 70 Matte Black 130 ml Ink Cartridge Twin Pack
CB340A HP 70 Photo Black 130 ml Ink Cartridge Twin Pack
CB342A HP 70 Light Gray 130 ml Ink Cartridge Twin Pack
CB343A HP 70 Cyan 130 ml Ink Cartridge Twin Pack
CB344A HP 70 Magenta 130 ml Ink Cartridge Twin Pack
CB345A HP 70 Yellow 130 ml Ink Cartridge Twin Pack
CB346A HP 70 Light Magenta 130 ml Ink Cartridge Twin Pack
CB351A HP 70 Light Cyan 130 ml Ink Cartridge Twin Pack

Media supplies

Q7991A HP Premium Instant-dry Gloss Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q7992A HP Premium Instant-dry Satin Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q6626A HP Super Heavyweight Plus Matte Paper 24 in. x 100 ft/610 mm x 30.5 m
C6029C HP Heavyweight Coated Paper 24 in. x 100 ft/610 mm x 30.5 m
C6775A HP Colorfast Adhesive Vinyl 36 in. x 40 ft/914 mm x 12.2 m
Q1898B HP Opaque Scrim 36 in. x 50 ft/914 mm x 15 m
C6787A HP Banners with Tyvek[®] 36 in. x 50 ft/914 mm x 15 m
Q7973A HP Matte Litho-realistic Paper 36 in. x 100 ft/914 mm x 30.5 m
Q8663A HP Professional High-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q7971A HP Professional Semi-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q1968A HP Proofing Matte 24 in. x 100 ft/610 mm x 30.5 m
Q8732A HP Hahnemühle Smooth Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q8736A HP Hahnemühle Textured Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q1984A HP Hahnemühle Watercolor Paper 36 in. x 38 ft/914 mm x 11.58 m
Q8741A HP Aquarella Art Paper 24 in. x 35 ft/610 mm x 10.7 m

More HP media sizes and weights available at www.hp.com/go/designjet/supplies

More information on products, technologies and services available at www.hp.com/go/graphic-arts



HP Designjet Z3100

Photo Printer series

Featuring the HP Designjet Z3100 Photo Printer
and the HP Designjet Z3100ps GP Photo Printer



Breakthrough color

Achieve consistent & accurate color with the first ever embedded spectrophotometer¹ with i1 color technology

- **Automated and simple creation of ICC profiles.** HP's embedded spectrophotometer with i1 color technology makes profiling and printer calibration simple, reliable, and accurate. HP's Advanced Profiling Solution offers advanced color management options, such as CMYK profiling and editing.
- **Broad gamut coverage.** Over 80% PANTONE[®] coverage,² and full compliance with prepress standards: SWOP, ISO, GRACOL, EUROSCALE, TOYO, FOGRA, and 3DAP.
- **Expect consistent color from print to print.** Calibrate the printer and obtain print-to-print and printer-to-printer color repeatability.

No limits

Get exquisite prints that resist fading for over 200 years³ with a 12-ink printing system using HP Vivera pigment inks

- **Fade and water resistant.** Color and b&w prints resist fading for over 200 years³ on a range of HP papers and HP Hahnemühle papers and are water resistant⁴ on a range of HP canvas, photo and proofing papers.
- **Beautiful black-and-white prints with the HP Quad-black ink set.** HP Vivera pigment inks deliver true gray neutrality under different lighting conditions and produce smooth continuous tones and deep rich blacks.
- **Superior gloss uniformity and elimination of bronzing with HP Gloss Enhancer.**⁵ Used on glossy and semi-gloss photo papers to produce images with uniform gloss from highlights to shadows.

- **Direct PostScript and PDF support (Z3100ps GP only).** The Embedded Adobe[®] PS/PDF RIP (Postscript[®] level 3, PDF 1.6, fully Acrobat[®] 7 compatible) and driver give you optimum networkability and PostScript color management.

True print confidence

Print with greater confidence thanks to dependable HP technologies

- **Eliminate trial and error with real-time layout and orientation preview.** HP's printer driver and embedded Web server let you preview the layout, size, and position of your print on your paper to save time, effort, and money.
- **Glide effortlessly through color management and printing** with the HP Color Center tool.
- **Save time with HP Easy Printer Care/HP Printer Utility software.** Monitor the status of printers and supplies and get the latest updates.
- **Expect always-on quality** with automatic servicing routines that are economical and convenient thanks to proactive printhead maintenance.
- **Have your questions answered.** Application settings and color management consultation at your finger tips with the HP Knowledge Center.
- **Remote printer management is fast and easy using any web browser.** You can conveniently manage your printer remotely for the printer status, job accounting, and ink and media usage. The Z3100ps GP expands these capabilities to include job submission, nesting, queuing, and permanent storage of files.

¹ In a drop-on-demand inkjet large format printer of its category.

² HP's preliminary, internal results have shown that the HP Designjet Z Photo Printer series is capable of successfully simulating over 80% of the PANTONE colors. HP Designjet Z2100, Z3100, and Z3100ps GP Photo Printers are pending PANTONE licensing

³ 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

⁴ Water resistance ratings tested by HP Image Permanence Lab on a range of HP media using Original HP 70 Vivera inks. For details: www.hp.com/go/supplies/printpermanence

⁵ Bronzing is eliminated as an image-quality issue when HP Gloss Enhancer is used. HP Gloss Enhancer is used on photo paper, with the exception of matte-finish papers.

Professional Photographers

"The results are remarkable: something I feel proud and confident about putting out in public in a museum."

Joel Meyerowitz
Joel Meyerowitz Photography

"The black and whites I printed are absolutely perfect. They're neutral in their grays, they have wonderful tonality and very, very heavy blacks (which I love)."

Thomas Hoepker
Magnum Photographer

"By accessing printer calibration directly from the Lightroom Print module, photographers using the HP Designjet Z series printers will be assured they're getting the most accurate results possible."

Kevin Connor
Senior Director
Professional Digital Imaging
Adobe

Digital Fine Artists

"With the simplicity of the color profiling on this printer, HP has taken great strides in making it very simple to get great prints the first time."

Bonny Lhotka
Digital Atelier

"Hahnemühle FineArt is proud to be working with HP in bringing to market a user experience of this caliber. This is a great example of two market leaders capitalizing on synergies to raise the bar of expectation in the digital imaging world."

Norbert Klink
Director Sales and Marketing
Hahnemühle FineArt



Create exquisite exhibition prints, portfolios, and digital albums

Consistently beautiful, whether it's in color or black and white

- Prints resist fading for over 200 years.³
- Smooth color transitions and highlight and shadow details are preserved.
- Achieve truly neutral grays under different lighting conditions, continuous tones, uniform gloss, rich blacks, and the elimination of bronzing as an image-quality issue.⁵
- Switch between matte and glossy papers without having to swap black cartridges.

A care-free experience

- Printing of accurate and consistent colors is effortless thanks to the HP Color Center and automated media profiling.
- Added to Adobe Lightroom is a Calibrate Printer button, enabling you to launch the printer's color management tools directly from the application, the result of close collaboration between HP and Adobe.
- Integrate one of a range of commercially available photo RIPs, such as the ImagePrint v.6 RIP from ColorByte. This RIP gives you advanced options, including advanced multiple-image placement, black-and-white split-toning, and PostScript and PDF printing.

Free to experiment

Get true, consistent, and lasting colors on the substrates of your choice

- Realize your digital fine art in breathtaking color prints that resist fading for over 200 years.³
- You're free to use almost any art substrate you like with the confidence of retaining color fidelity and consistency.
- Colors are precisely controlled thanks to automated media profiling.

Fits seamlessly into your workflow

- HP offers an extensive range of canvases, fine art papers, and photo papers for museum-quality results.
- HP and Hahnemühle have designed beautiful smooth, textured, and watercolor fine art papers.
- Print the desired colors on the first attempt from Adobe Photoshop® thanks to the free HP Photosmart Pro print plug-in for Adobe Photoshop, which synchronizes application and driver settings.





Produce accurate, consistent, and stable prepress contract proofs

Automated profiling, stable colors, and an extremely broad gamut

- Accurate and consistent colors are assured through automated ICC profile generation.
- Colors stay true and stabilize at less than 1 DE in under 5 minutes.
- The printer covers over 80% of PANTONE colors² and completely encompasses the SWOP, ISO, GRACOL, EUROSCALE, TOYO, FOGRA, and 3DAP gamuts.
- PANTONE color certification.⁶

Integrated solutions that drastically shorten your workflow

- Automated closed-loop color consistency is achieved with the printer's embedded spectrophotometer, featuring X-Rite leading i1 color technology.
- To achieve an advanced proofing solution, integrate one of a range of commercially available proofing RIPs, such as the Kodak Matchprint Inkjet proofing solution or the ColorProof 04 RIP from GMG. These leading prepress RIPs combine with the printer to form a cost-effective solution that verifies the press-standard color compliance of your proofs.
- Complete end-to-end color workflow management in the box with HP's Advanced Profiling Solution that is standard for the Z3100ps GP.

Key technologies

HP Vivara pigment inks offer outstanding image quality and fade resistance, along with water resistance, on a wide range of HP creative and specialty media. HP's proprietary Electrosteric Encapsulation Technology optimizes the pigment chemistry and ink properties for stability and performance to ensure a broad color gamut, print permanence, excellent gloss uniformity, and reliable, accurate, and consistent printing.

The HP embedded spectrophotometer with i1 Color Technology from X-Rite is mounted on the printer carriage and revolutionizes professional color workflows by automating media profiling, allowing users to automatically generate custom RGB ICC profiles for their media and provides accurate

measurements for printer calibration that delivers print-to-print and printer-to-printer color consistency. Also, with the HP Advanced Profiling Solution (included with the Z3100ps GP), you can edit and modify existing profiles and create CMYK profiles.

HP's 12-ink printing system involves six HP 70 Printheads, each printing two colors of ink with 1,056 nozzles per color. The system includes the HP Gloss Enhancer and HP Vivara pigment inks in seven colors and four blacks. These inks deliver an exceptionally broad color gamut for photographic and graphics art applications, superb neutral tones, and deep blacks on matte, glossy, semi-gloss, and fine art papers.

An extensive media portfolio: HP offers a portfolio of 9 photo papers, 10 digital fine art papers, 3 proofing papers, 9 bond and coated papers, and over 30 other HP media. All have been tested with HP 70 Vivara pigment inks to deliver consistent, museum-quality prints that withstand the demands of handling, display and storage expected of professional prints.

Services

The HP Start-up kit, HP Knowledge center, and HP Easy Printer Care (Windows®)/Printer Utility (Mac®) are all complimentary services provided by HP to assist you during installation and throughout your printing workflow; visit www.hp.com/go/graphic-arts for full details. For enhanced services purchase from the HP Professional Graphic Services portfolio, which includes:

- **HP Installation Care Pack Services:** Easier to get your printer up and running in minimum time. Stand alone and network options available.
- **The HP Color Expert Service powered by X-Rite Color Services:** Problems getting the right color from your printer? Call one phone-number for immediate, reliable answers to all of your questions on color, color management software and hardware, RIPs, design applications, output devices, drivers and operating systems.
- **HP Care Pack and Post Warranty Services:** Reduce downtime and mitigate the risk of unbudgeted repair costs. 3-5 year warranty extensions available. See back page for ordering information and visit www.hp.com/go/pgs for more details on all options.

Prepress Specialists

"The HP Designjet Z3100 printer is a major step forward for prepress. It has got a built-in spectrophotometer, which calibrates the machine and brings it into a known state, and, because it's built in, it's error free. This printer is like a color management center."

Allan Roche
Pixel CMS Ltd.

"Metamerism is very important for us, and I've seen that this inkjet printer has the lowest metamerism in the marketplace."

Allan Roche
Pixel CMS Ltd.

"By combining the embedded eye-one color spectrophotometer together with the latest printing technologies found in the new HP Designjet Z Photo Printers, new ground-breaking standards in large-format printing have been established, providing the industry with a new benchmark."

Francis Lamy
Executive VP and CIO
X-Rite

⁶ Z3100ps GP model using HP Premium Instant-dry Gloss Photo Paper

HP Designjet Z3100 Photo Printer series

Technical specifications

Print speed		
Best	15 min/page on D/A1 ⁷ or up to 17 ft ² /h (color image on glossy paper) 9.8 min/page on D/A1 ⁷ or up to 31 ft ² /h (color image on coated paper)	
Normal	7.9 min/page on D/A1 ⁷ or up to 38 ft ² /h (color image on glossy paper) 4.2 min/page on D/A1 ⁷ or up to 72 ft ² /h (color image on coated paper)	
Draft	5.8 min/page on D/A1 ⁷ or up to 52 ft ² /h (color image on glossy paper) 2.0 min/page on D/A1 ⁷ or up to 150 ft ² /h (color image on coated paper)	
Resolution		
Best (Color and B&W)	2400 x 1200 optimized dpi	
Normal (Color and B&W)	600 x 600 dpi	
Draft (Color and B&W)	600 x 600 dpi	
Memory	HP Designjet Z3100 Photo Printer: 128 MB standard memory, 40 GB hard disk HP Designjet Z3100ps GP Photo Printer: 256 MB Standard memory, 40 GB hard disk	
Media		
Handling	Sheet feed, roll feed, automatic cutter (cuts all media except canvas)	
Types	Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek [®] , outdoor paper), bond and coated (bond, coated, heavyweight coated, super heavyweight coated)	
Maximum weight	500 g/m ²	
Size	24-inch model: All standard sizes larger than Letter/A4 up to 24 in./610 mm 44-inch model: All standard sizes larger than Letter/A4 up to 44 in./1117 mm	
Max. external roll diameter	5.3 in./136 mm	
Maximum roll length	300 ft/91 m	
Printing		
Margins (top x bottom x right x left)	Roll: 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 mm (full bleed available on glossy roll media) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in./5 x 17 x 5 x 5 mm	
Technology	HP Vivera pigment inks, HP Quad-black ink set, HP Embedded Spectrophotometer	
Ink cartridge colors	light cyan, light magenta, light gray, photo black, gray, gloss enhancer, magenta, yellow, matte black, red, green, blue	
Ink types	HP Vivera pigment inks and HP Gloss Enhancer	
Ink drop	4 pl (light cyan, light magenta, light gray, photo black, gray, gloss enhancer), 6 pl (magenta, yellow, matte black, red, green, blue)	
Ink cartridge size	130 ml ink cartridges; 130 ml ink cartridge twin packs also available	
Nozzles	2 colors/printhead, 1056 nozzles/color	
Maximum print length	300 ft/91m (OS and application dependent)	
Line accuracy	+/- 0.2 % ⁸	
Light fastness	Over 200 years ³ fade resistance	
Water resistance	Water-resistant ⁴ on a range of HP creative and specialty media	
Connectivity	Standard: One 10/100BT Ethernet (10/100/1000 for ps model), one USB 2.0 high-speed certified port, one EIO Jetdirect accessory slot Optional: HP Jetdirect EIO print servers	
Print languages (standard)	HP Designjet Z3100 Photo Printer: HP PCL3GUI HP Designjet Z3100ps GP Photo Printer: Adobe PostScript Level 3, Adobe PDF 1.6, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4	
Print languages (optional)	HP Designjet Z3100 Photo Printer: PS via optional software RIP, HP-GL2/RTL optional software solution	
Image quality		
Color accuracy	Median <1.6 dE2000, 95% of colors <2.8 dE2000 ⁹	
Short term color stability	<1 dE2000 in less than 5 minutes ¹⁰	
Long term print-to-print repeatability	Average <0.5 dE2000, 95% of colors <1.4 dE2000 ¹⁰	
Maximum optical density	4 L* / 2.5 D ¹¹	
Environmental ranges		
Operating temperature	41 to 104°F/5 to 40°C	
Recommended operating temperature	59 to 95°F/15 to 35°C	
Storage temperature	-13 to 131°F/-25 to 55°C	
Recommended operating temperature	20 to 80% RH	
Recommended storage humidity	0 to 95% RH	
Acoustic		
Sound pressure:	Active 44 dB(A)	Standby 29 dB(A)
Sound power:	Active 6.5 B(A)	Standby 4.4 B(A)
Power consumption		
Active	200 watts	Powersave 27 watts
Maximum	200 watts	Standby 43 watts
Power requirements	Input voltage auto-ranging 100–240 VAC (+/- 10%), 50/60Hz (+/- 3Hz), 2 Amp max	
Certification		
Safety	IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and United States, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI	
Electromagnetic	Compliance for Class B products: EU (EMC Directive), United States (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC), and Taiwan (BSMI)	
Press standard	100% coverage of SWOP, ISO and GRACOL, and 3DAP	
ENERGY STAR [®] compliant	Yes, ENERGY STAR [®] qualified models; see: http://www.hp.com/go/energystar	
Warranty	1 year warranty with on-site, next business day service	
Warranty extensions	UF044PE HP 1-Year Post Warranty Next Business Day Onsite Service HC132PE HP 1-Year Technical Phone Support	
HP Care Pack Services	UF035E HP 3-Year Next Business Day Onsite Service UF036E HP 4-Year Next Business Day Onsite Service UF037E HP 5-Year Next Business Day Onsite Service H4518E HP Installation with network configuration	
Color Services	UF050E HP Color Expert Service (5 cases within 1 year) UF315E HP Color Expert Service (1 case within 1 year)	

More information on products, technologies and services available at www.hp.com/go/graphicarts

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Recommended system requirements	
Macintosh	Mac OS X v10.2., 10.3, 10.4 and later; PowerPC G4, G5 or Intel [®] Core Processor; 1 GB RAM; 2 GB available on hard disk
Windows	Microsoft [®] Windows XP or 2000; Intel Pentium [®] 4; 3GHz, 1 GB RAM, 2 GB available on hard disk
Dimensions (w x d x h)	
Printer with stand	24-inch model: 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm 44-inch model: 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm
Shipping Dimensions	
	24-inch model: 57.8 x 30.7 x 29.1 in./1470 x 780 x 740 mm 44-inch model: 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm
Weight	
Printer with stand	24-inch model: 143 lb/65 kg 44-inch model: 189 lb/86 kg
Shipping weight	
	24-inch model: 225 lb/102 kg 44-inch model: 271 lb/123 kg

What's in the box

24-inch models: Spindle, printheads (6 x 2 colors), introductory ink cartridges, high-gloss photo media sample roll (24 in. x 15 ft), 24-inch stand, 24-inch rear tray, 3-inch spindle adapter kit, quick reference guide, set-up poster, USB cable, power cord, HP Start-Up Kit including printer software and training, HP Advanced Profiling Solution (Z3100ps GP model only)

44-inch models: Spindle, printheads (6 x 2 colors), introductory ink cartridges, high gloss photo media sample roll (36 in. x 15 ft), 44-inch stand, 44-inch rear tray, 3-inch spindle adapter kit, quick reference guide, set-up poster, USB cable, power cord, HP Start-Up Kit including printer software and training, HP Advanced Profiling Solution (Z3100ps GP model only)

Ordering information

Product

Q5669A	HP Designjet Z3100 24-in Photo Printer
Q6659A	HP Designjet Z3100 44-in Photo Printer
Q5670A	HP Designjet Z3100ps GP 24-in Photo Printer
Q6660A	HP Designjet Z3100ps GP 44-in Photo Printer

Accessories

Q6643D	EFI Designer Edition 5.1 RIP for HP XL International
Q6692B	HP GL/2 Upgrade Kit for the HP Designjet Z2100/A3100 Photo series
Q6695A	HP Advanced Profiling Solution International
Q6698A	HP Designjet ZX100 44-inch Spindle for printing on technical media
Q6699A	HP Designjet ZX100 44-inch Spindle for graphics (spare, for easy media switching)
Q6700A	HP Designjet ZX100 24-inch Spindle for graphics (spare, for easy media switching)

Printing supplies

Printheads

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
C9408A	HP 70 Blue and Green Printhead
C9409A	HP 70 Matte Black and Red Printhead
C9410A	HP 70 Gloss Enhancer and Gray Printhead

130 ml ink cartridges

C9448A	HP 70 Matte Black 130-ml Ink Cartridge
C9449A	HP 70 Photo Black 130-ml Ink Cartridge
C9450A	HP 70 Gray 130-ml Ink Cartridge
C9451A	HP 70 Light Gray 130-ml Ink Cartridge
C9453A	HP 70 Magenta 130-ml Ink Cartridge
C9454A	HP 70 Yellow 130-ml Ink Cartridge
C9455A	HP 70 Light Magenta 130-ml Ink Cartridge
C9456A	HP 70 Red 130-ml Ink Cartridge
C9457A	HP 70 Green 130-ml Ink Cartridge
C9458A	HP 70 Blue 130-ml Ink Cartridge
C9459A	HP 70 Gloss Enhancer 130-ml Ink Cartridge
C9390A	HP 70 Light Cyan 130-ml Ink Cartridge

Ink cartridge twin packs

CB339A	HP 70 Matte Black 130-ml Ink Cartridge Twin Pack
CB340A	HP 70 Photo Black 130-ml Ink Cartridge Twin Pack
CB341A	HP 70 Gray 130-ml Ink Cartridge Twin Pack
CB342A	HP 70 Light Gray 130-ml Ink Cartridge Twin Pack
CB344A	HP 70 Magenta 130-ml Ink Cartridge Twin Pack
CB345A	HP 70 Yellow 130 ml Ink Cartridge Twin Pack
CB346A	HP 70 Light Magenta 130-ml Ink Cartridge Twin Pack
CB347A	HP 70 Red 130-ml Ink Cartridge Twin Pack
CB348A	HP 70 Green 130-ml Ink Cartridge Twin Pack
CB349A	HP 70 Blue 130-ml Ink Cartridge Twin Pack
CB350A	HP 70 Gloss Enhancer 130-ml Ink Cartridge Twin Pack
CB351A	HP 70 Light Cyan 130-ml Ink Cartridge Twin Pack

Media supplies

Q6626A	HP Super Heavyweight Plus Matte Paper 24 in. x 100 ft/610 mm x 30.5 m
Q7973A	HP Matte Litho-realistic Paper 36 in. x 100 ft/914 mm x 30.5 m
Q7991A	HP Premium Instant-dry Gloss Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q7992A	HP Premium Instant-dry Satin Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q8704A	HP Artist Matte Canvas 24 in. x 20 ft/610 mm x 6.1 m
Q8708A	HP Collector Satin Canvas 24 in. x 20 ft/610 mm x 6.1 m
Q8712A	HP Universal Matte Canvas 24 in. x 20 ft/610 x 6.1 m
Q8759A	HP Professional Satin Photo Paper 24 in. x 50 ft/610 mm x 15.2 m
Q8840A	HP Professional Satin Photo paper 44 in. x 50 ft/1118 mm x 15.2 m
Q8663A	HP Professional High-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q7971A	HP Professional Semi-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q8736A	HP Hahnemühle Textured Fine Art Paper 265 g/m ² 24 in. x 35 ft/610 mm x 10.7 m
Q8732A	HP Hahnemühle Smooth Fine Art Paper 265 g/m ² 24 in. x 35 ft/610 mm x 10.7 m
Q1984A	HP Hahnemühle Watercolor Paper 36 in. x 38 ft/914 mm x 11.5 m
Q8741A	HP Aquarella Art Paper 24 in. x 35 ft/610 mm x 10.67 m
Q1724A	HP Canvas Paper 180 g/m ² 36 in. x 35 ft/914 mm x 10.7 m

More HP media sizes and weights available at www.hp.com/go/designjet/supplies

⁷ Printed image size: 22 x 27.5 in./55.9 x 69.9 cm

⁸ +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever is greater) at 23°C (73°F), 50-60 percent relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film roll feed.

⁹ ICC absolute colorimetric accuracy on HP Proofing Matte paper.

¹⁰ With HP Premium Instant-dry Photo Satin media, right after calibration.

¹¹ With HP Premium Instant-dry Photo Gloss media.

For more information, visit www.hp.com/go/pageyield



HP Designjet Z6100 Printer series

From posters to photos, maps to fine art, the HP Designjet Z6100 Printer series delivers exceptional print speeds with outstanding image quality and durability.¹ Plus, with an embedded spectrophotometer² and Original HP Vivera pigment inks, you'll get accurate, fade-resistant color every time you print.¹



Short turnaround times

Let this exceptionally fast printer handle peak workloads, last-minute requests, or real-time changes.

- **Print at extremely high speeds.** HP Double Swath technology and the first-ever HP Optical Media Advance Sensor give you a wide print swath and extremely accurate printing for great results at exceptionally high speeds.
- **Benefit from unattended printing.** High volume, unattended printing—even overnight—is easy, thanks to Original HP jumbo-length rolls up to 574 ft. long.
- **Skip the interruptions.** High-capacity 775 ml Original HP 91 Ink Cartridges with HP Vivera pigment inks mean even fewer stops and starts in your printing.

Outstanding image quality

Achieve vivid color and exceptional fade resistance with Original HP Vivera pigment inks.²

- **Discover vivid color.** Eight Original HP Vivera pigment inks deliver a wide color gamut with true neutral grays for outstanding image quality and detail.
- **Get lasting quality.** Interior display prints produced with Original HP Vivera pigment inks resist fading in or near a window for more than one year un laminated, more than three years laminated and more than 200 years away from direct sun.¹
- **Choose the media you need.** Attain outstanding quality on a wide variety of Original HP media types including photo, matte, banner, fine-art, and technical and graphic media and films.
- **Produce prints fast without sacrificing quality.** HP's innovative printhead design delivers accurate, small drop sizes, enabling high-quality, high-speed printing.

- **Print using the HP Designjet system for best results.** HP printers, HP Vivera pigment inks and Original HP media are developed together as a system to deliver optimal print quality and reliability.

Breakthrough color accuracy

Get consistent results print to print and printer to printer with HP's advanced closed-loop color calibration.

- **Count on consistent colors.** HP DreamColor Technologies provide you reliable, accurate colors every time you print regardless of fluctuating environmental conditions.
- **Easily add new media types and get accurate color.** The built-in spectrophotometer provides breakthrough color accuracy and lets you create ICC profiles in just 20 minutes for accurate profiling and precision printer calibration.³
- **Create the best results every time.** HP's Advanced Profiling Solution allows you to accurately calibrate and profile colors. The HP Color Center provides step-by-step instructions for adding new media, calibrating and optimizing color output.

Easy-to-use job management tools

Increase your efficiency with more options.

- **Track your supplies costs.** Accounting features track ink and media use to help you monitor costs on a print-by-print basis.
- **Change what you need, minus the hassle.** Easily adapt in real time by resetting job priorities, reprinting stored jobs, and previewing before printing.
- **Store jobs as long as you want.** The 40 GB hard disk adds security and convenience, allowing you to keep submitted jobs on your printer.

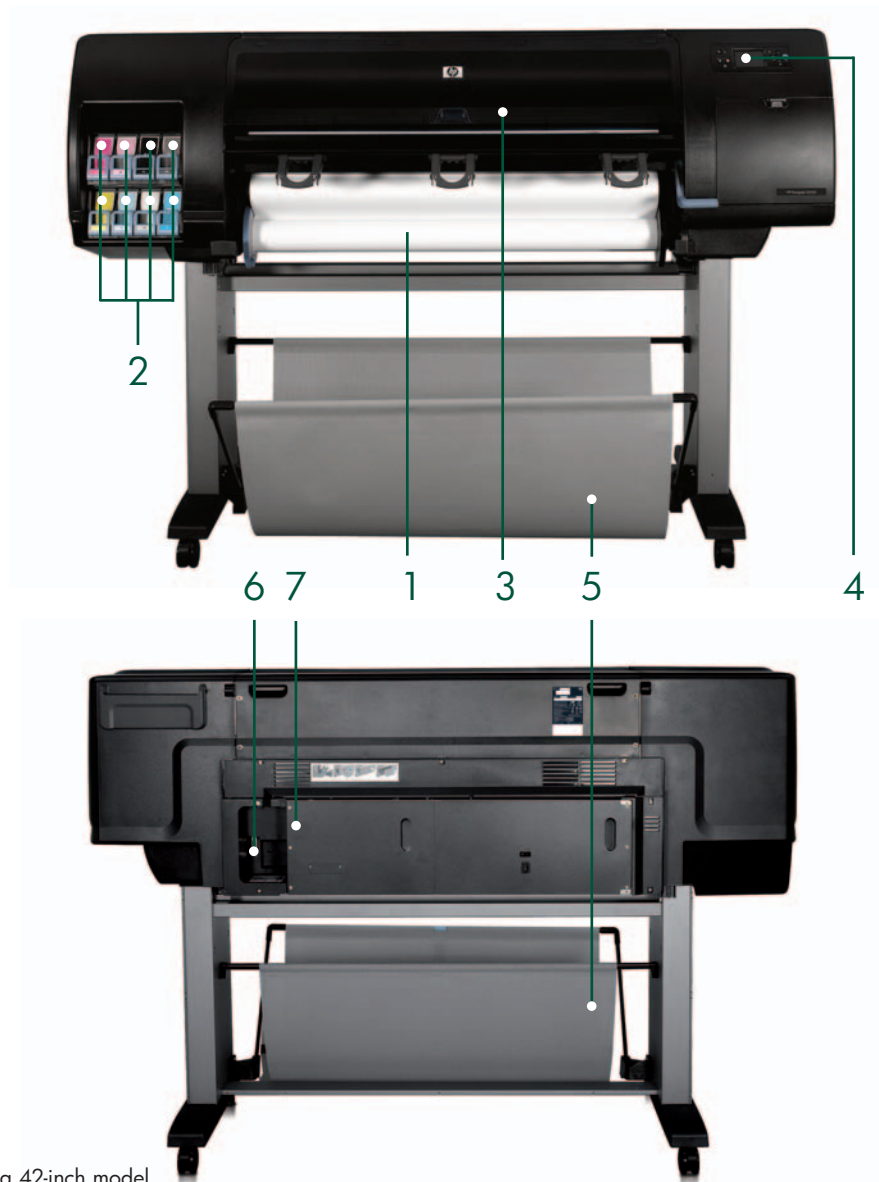
¹ Display-permanence rating for interior displays away from direct sunlight by HP Image Permanence Lab and by Wilhelm Imaging Research, Inc. on a range of HP media. Water resistance and interior in-window display ratings by HP Image Permanence Lab on a range of HP media. For details: www.hp.com/go/supplies/printpermanence.

² With i1 Color Technology from GretagMacbeth.

³ Non-Adobe PostScript® printers require the HP Advanced Profiling Solution or a 3rd party RIP that supports media profiling.

HP Designjet Z6100 Printer series

1. Roll feed accommodates media rolls up to 575 ft
2. High-capacity 775 ml Original HP 91 Ink Cartridges with HP Vivera pigment ink supplies
3. Eight Original HP 91 printheads (two sets of four printheads)
4. Easy-to-reach, intuitive front panel
5. Media stand and bin collect drawings as they print (standard on 42-inch printer)
6. Ethernet connection ensures easy workgroup integration
7. EIO slot accommodates an array of HP JetDirect options



Printer shown is a 42-inch model

Printer series at a glance

HP Designjet Z6100 Printer:

- Choose from 42- or 60-inch models
- 256 MB RAM
- 40 GB hard disk
- Direct file submission of HP-RTL, HP-GL/2, CALS G4, TIFF and JPEG files

HP Designjet Z6100ps Printer:

- Choose from 42- or 60-inch models
- Embedded Adobe® PostScript 3 RIP
- 256 MB RAM and 40 GB hard disk
- Direct file submission of HP-RTL, HP-GL/2, CALS G4, TIFF, JPEG, PostScript, EPS and PDF files

Options:

- HP Designjet 42-inch Scanner
- 256 MB upgrade (available on 42-inch model)
- HP Advanced Profiler Solution
- Additional spindles for easy media swapping
- User maintenance kit
- Dual-mode take-up reel (standard on 60-inch; optional on 42-inch models)
- Media bin (standard on 42-inch; optional on 60-inch models)
- USB or HP JetDirect network solutions

HP System

HP Vivera pigment ink

Work with millions of color combinations across a wide color gamut and wide range of media. The Original HP Vivera pigment inks include the HP Three-black ink set that produces a broad range of blacks, subtle transitions, true gray neutrality, and rich black density. Exclusive Original HP Vivera pigment ink formulations are delivered by HP 91 Printheads that are designed to achieve precise, accurate placement of smaller drops at high speed. Each printhead prints two colors of ink with 1,056 nozzles per color. Working together, these components produce a range of vibrant colors, smooth neutral gray transitions, crisp text, and fine line accuracy for a wide color gamut, incredible detail, and photo-image quality.

The first-ever HP Optical Media Advance Sensor allows you to print at top speeds and still get great output results. This breakthrough technology improves paper-advance control and accuracy, so the printer can print at higher speeds across multiple environmental conditions without impairing image quality.

Amazing color

The HP Embedded Spectrophotometer, with i1 Color Technology from GretagMacbeth, is mounted on the printer carriage for accurate printer calibration measurements that deliver print-to-print and printer-to-printer color consistency. It revolutionizes professional color workflows by systematically creating media profiles, allowing users to automatically generate custom CMYK ICC profiles for their preferred media. Also, with the optional HP Advanced Profiling Solution, you can edit and modify existing profiles and create RGB profiles.⁴

HP Vivera Pigment Inks



HP Media



HP Printhead



HP Optical Media Advance Sensor



HP Embedded Spectrophotometer



HP Media

Choose from more than 50 Original HP large-format media substrates for a broad range of applications, including bond, coated, photo and proofing papers; technical and graphic papers and films; and backlit, self-adhesive, banner and sign, fabric/textile and fine arts printing materials. Original HP media is designed together with HP Vivera pigment inks to produce consistently outstanding image quality that you can count on—from photo-quality images to high-quality posters and banners to crisp line drawings.

HP Services

Want to ensure your printer is always available and productive? Check out HP Care Pack Services for installation and multi-year on-site services. Experts are available with technical phone, web and on-site services to make sure you get the most efficient use of your printer. Competitively priced, flexible packages let you select service levels, hours of coverage and response times that meet your needs.

HP technology leadership

Outstanding speed

HP Double Swath Technology provides breakthrough speed and performance. The HP Designjet Z6100 Printer series includes two sets of four HP 91 Vivera pigment ink printheads, creating a wide print swath—up to 1.8 inches—and a high firing frequency to deliver prints with amazing speed.

HP DreamColor Technologies make it easy for you to produce accurate, predictable and consistent color across different printers, presses and media. The HP Designjet Z6100 Printer series comes equipped with HP DreamColor Technologies: HP Professional PANTONE® emulation, HP's closed-loop color calibration and automatic ICC profiling with the HP embedded spectrophotometer and software. The result? The HP Designjet Z6100 Printer series, plus HP media and HP 91 Vivera pigment inks, produce vivid and accurate color prints—print to print and printer to printer.

High productivity

The HP Easy Printer Care Tool lets you easily navigate through color-management, printing and job-management workflows, and the HP Color Center provides easy-to-use, step-by-step instructions on how to add new media and calibrate the printer. Plus, the HP Designjet Z6100ps printer's accounting tool allows you to easily track supplies use by job, while the job submitter tool lets you submit your HP-RTL, HP-GL/2, CALS G4, PostScript, PDF, TIFF, EPS and JPEG files directly to the printer.

⁴ Non-Adobe PostScript® printers require the HP Advanced Profiling Solution or a 3rd party RIP that supports media profiling.

Technical specifications

For more information, visit our website at www.hp.com/go/designjetZ6100



⁶ Expandable to 512 MB through a 256 MB Designjet-qualified DIMM.

⁷ ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film.

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42-inch models: Printer, Original HP 91 Printheads (4 x 2 colors each), Original HP 91 Ink Cartridges (8 x 775 ml), Original HP Maintenance Cartridge, Original HP Media roll, stand and basket (42 in.), maintenance kit, spindle, three-inch spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

60-inch models: Printer, Original HP 91 Printheads (4 x 2 colors each), Original HP 91 Ink Cartridges (8 x 775 ml), Original HP Maintenance Cartridge, Original HP Media roll, stand (60 in.), take-up reel (60 in.), maintenance kit, spindle, three-inch spindle adaptor kit, quick reference guide, setup poster, startup DVD, customer service guide, power cord

HP DesignJet Z6100 42-inch Take-Up Reel—What's in the box

Spindle (42-in.), tubes, deflector, sensor module, right module, left module, hardware kit

HP Designjet Z6100 60-inch Media Bin—What's in the box

Basket (60-inch), hardware kit, setup poster

HP Designjet Z6100 User Maintenance Kit—What's in the box

Plate cleaning kit, carriage interconnect wiper kit, printhead carriage lubrication kit, roller lubrication kit, maintenance absorber

Ordering information

Ordering information

Product
Q6651A

Q6651A HP Designjet Z6100 42-inch Printer
Q6652A HP Designjet Z6100 60-inch Printer
Q6653A HP Designjet Z6100ps 42-inch Printer
Q6654A HP Designjet Z6100ps 60-inch Printer

Accessories

Q1277A HP Designjet 42-inch Scanner
Q5673A HP Designjet 256 MB Memory Upgrade
Q5680A HP Designjet High Speed USB 2.0 Card
Q6695A HP Advanced Profiling Solution International
Q6706A HP Designjet Z6100 42-inch Take-Up Reel
Q6707A HP Designjet Z6100 42-inch Spindle
Q6708A HP Designjet Z6100 60-inch Spindle
Q6714A HP Designjet Z6100 60-inch Media Bin
Q6715A HP Designjet Z6100 User Maintenance Kit
J7997G HP Jetdirect 630n IPv6 Gigabit Print Server
J7961G HP Jetdirect 635n IPv6/1GbSC Print Server

Printheads (4)

C9460A	HP 91	Matte Black and Cyan Printhead
C9461A	HP 91	Magenta and Yellow Printhead
C9462A	HP 91	Light Magenta and Light Cyan Printhead
C9463A	HP 91	Photo Black and Light Gray Printhead
C9518A	HP 91	Maintenance Cartridge

Single ink cartridges (8)

Small Images (U)

C9464A	HP 91	775-ml	Matte Black Ink Cartridge
C9465A	HP 91	775-ml	Photo Black Ink Cartridge
C9466A	HP 91	775-ml	Light Gray Ink Cartridge
C9467A	HP 91	775-ml	Cyan Ink Cartridge
C9468A	HP 91	775-ml	Magenta Ink Cartridge
C9469A	HP 91	775-ml	Yellow Ink Cartridge
C9470A	HP 91	775-ml	Light Cyan Ink Cartridge
C9471A	HP 91	775-ml	Light Magenta Ink Cartridge

Ink cartridge multipacks (8)

C9480A	HP	91	775-ml	3-ink	Matte Black Cartridges Multipack
C9481A	HP	91	775-ml	3-ink	Photo Black Cartridges Multipack
C9482A	HP	91	775-ml	3-ink	Light Gray Cartridges Multipack
C9483A	HP	91	775-ml	3-ink	Cyan Cartridges Multipack
C9484A	HP	91	775-ml	3-ink	Magenta Cartridges Multipack
C9485A	HP	91	775-ml	3-ink	Yellow Cartridges Multipack
C9486A	HP	91	775-ml	3-ink	Light Cyan Cartridges Multipack
C9487A	HP	91	775-ml	3-ink	Light Magenta Cartridges Multipack

Media supplies

Q8757A HP Universal Instant-dry Semi-gloss Photo Paper 60 in. x 200 ft/1524 mm x 61 m
Q8756A HP Universal Instant-dry Gloss Photo Paper 60 in. x 200 ft/1524 mm x 61 m
Q8755A HP Universal Instant-dry Semi-gloss Photo Paper 42 in. x 200 ft/1067 mm x 61 m
Q8748A HP Premium Vivid Color Backlit Film 42 in. x 100 ft/1067 mm x 30.5 m
Q8835A HP Self-adhesive Gloss Polypropylene 42 in. x 75 ft/1067 mm x 22.9 m
Q8751A HP Universal Inkjet Bond Paper 36 in. x 574 ft/914 mm x 175 m

More HP media offerings available at www.hp.com/go/designjet/supplies