



HP Designjet Z3100ps GP Photo Printer

Overview

Expanding the HP Designjet Z Photo Printer Series, the new HP Designjet Z3100ps GP Photo Printer features HP DreamColor Technologies, providing a remarkable level of end-to-end color management for graphics professionals in design, advertising, proofing and publishing environments. Offering the industry's only built-in spectrophotometer, the printer takes the stress out of creating consistent, accurate color time and time again.

The Z3100ps GP printer also comes with a new embedded Adobe PS3/PDF RIP, which can drastically improve productivity by working seamlessly with PS and PDF files and eliminate the need to convert files for each job. Along with the HP Designjet Z Series' superior color management technologies, users can quickly and easily achieve standout color output.

Available in 24 and 44 inches (610 and 1117 mm) wide, the HP Designjet Z3100ps GP comes standard with the HP Advanced Profiling Solution, which allows users to create customized RGB and CMYK profiles for any media as well as personalize and edit the profiles to specific needs. Users can also easily get more detailed, accurate PANTONE® emulations, and the monitor calibrator ensures consistent colors between the printer and monitor while maintaining color fidelity from print to print.

The HP Designjet Z3100ps GP's updated Embedded Web Server enhances productivity and makes the printer ideal for workgroup situations. The Embedded Web Server offers various functions, such as job submissions and queue management, which increase productivity and simplify the task of managing print jobs.

Like the HP Designjet Z3100 printer, the HP Designjet Z3100ps GP delivers intuitive, repeatable color accuracy for museum-quality prints. The Designjet Z Series' embedded spectrophotometer enables easy, precise color-management – bringing to life vivid colors accurately and consistently with the touch of a button. Using HP Vivera pigment inks, the 12-ink HP Designjet Z3100ps GP printer produces exquisite prints that offer exceptional water resistance and permanence – lasting more than 200 years on a wide variety of HP media.⁽¹⁾ In addition, achieve 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.

Key features and benefits

- The Adobe PS3/PDF RIP (version 3017, fully Acrobat 7 compatible) enables direct PS, PDF 1.6, TIFF and JPEG printing;
- Features the industry's only built-in spectrophotometer with GretagMacbeth/X-rite Eye-One Color Technology to intuitively ensure consistent, accurate colors from print to

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print and printer to printer across a wide range of media;

- Broad gamut coverage – over 80 percent PANTONE® coverage⁽²⁾ and full compliance with prepress standards, including SWOP, GRACOL, EUROSCALE, TOYO, FOGRA and 3DAP;
- Precise, long-lasting color optimized for a variety of media, such as photo and fine art papers, that provide superior fade resistance and durability. Images can last more than 200 years⁽¹⁾ when using HP Vivera pigment inks;
- Matte black, photo black, mid- and light-gray HP Vivera pigment inks are designed for true gray neutrality to produce smooth transitions, higher black optical density and smooth uniform color on glossy and matte media;
- Print matte and photo black inks without swapping ink cartridges, eliminating wasted time and ink to reconfigure the printer;
- HP Gloss Enhancer is used on photo media (with the exception of matte-finish papers) to produce images with uniform gloss from highlights to shadows, and eliminates bronzing as an image-quality issue⁽³⁾;
- Consistent, reliable results over the life of the product – HP Vivera pigment inks are carefully designed to work with other elements of the printing system to provide reliable, stable performance and to help prevent ink and printhead nozzles from clogging inside the printer;
- HP's industry-leading portfolio of media offers creative professionals more than 30 options, including photo, fine art, proofing, bond and coated papers, as well as canvas, vinyl, scrim and banner media options;
- HP's Scalable Printing Technology combined with the Optical Drop Detector and Proactive Printhead Maintenance features ensure efficient printing, prevention of nozzle clogs and optimized ink consumption;
- HP ProPrint Plug-in for Adobe Photoshop, co-developed with Adobe, synchronizes the application and printer driver for a single user interface and color management. This free plug-in is expected to be available April 23, 2007 and will be compatible with Adobe Photoshop CS2;
- HP Easy Printer Care/HP Printer Utility Software helps users proactively maintain the printer and manage printer status, desktop alerts and automatic updates, saving time and effort;
- HP Print Preview eliminates trial and error and reduces wasted ink and media with real-time layout and orientation preview from drivers on Mac and Windows®;
- HP Color Center effortlessly guides users through color management and printing; intuitive instructions enable easy ICC profile creation and installation;
- The HP Designjet Z Photo Printer Series is PC and Mac compatible.⁽⁴⁾

Services and support

The HP Designjet Z Photo Printer Series comes with one-year Next Business Day Repair and one-year Remote Set-up & Usability. HP offers a variety of services and support packages to assist professionals throughout the process, from step-by-step set-up to

ongoing printer maintenance and printing tips.

- HP Start-up Kit: A DVD included with the printer is loaded with Mac and Windows drivers and includes PDF manuals for easier access to information plus a multimedia video that walks users through assembly and operation of the printer;
- HP Online Knowledge Center: The user's center of expertise, the HP Online Knowledge Center, offers how-to multimedia training and illustrated guides on how to use the printer for common applications, as well as forums and support information;
- HP Color Expert Service⁽⁵⁾ powered by X-Rite Color Services: A single point of contact for remote live assistance to get reliable answers to all color questions; also includes color management software and hardware, RIPs, design applications, output devices, drivers and operating systems;
- Additional installation, extended warranty and post-warranty service options are also available.

Technical specifications

- Image quality:
 - Color accuracy: median <1.6 dE2000, 95 percent of colors < 2.8 dE2000⁽⁶⁾
 - Short term color stability: <1 dE2000, in less than 5 minutes⁽⁷⁾
 - Long term print-to-print repeatability: Average 0.5 dE2000, 95 percent of color <1.4 dE2000⁽⁷⁾
 - Maximum optical density: 4 L* /2.5D⁽⁸⁾
- 2400 x 1200 optimized dpi in Best Mode and 600x600 dpi in Normal and Draft Modes (Color and B/W)
- 12-ink printing with HP 70 Vivera 130ml pigment ink cartridges
 - HP Designjet Z3100ps GP features HP Vivera pigment inks and HP Gloss Enhancer: matte black, photo black, gray, light gray, magenta, light magenta, light cyan, red, blue, green, yellow and gloss enhancer
- Print speeds:
 - HP Designjet Z3100ps GP: Up to 15.0 min/page, D/A1 color image on glossy paper; up to 9.8 min/page, D/A1 color image on coated paper
- Dimensions:
 - HP Designjet Z Photo Printer series 24 in. (610 mm) models: 49.7 x 26 x 41.2 in; 1262 x 661 x 1047 mm
 - HP Designjet Z Photo Printer series 44 in. (1117 mm) models: 69.7 x 26 x 41.2 in; 1770 x 661 x 1047 mm
- Weight with stand:
 - HP Designjet Z Photo Printer series 24 in. (610 mm) models: 143 lb/65 kg
 - HP Designjet Z Photo Printer series 44 in. (1117 mm) models: 189 lb/86 kg
- Standard Connectivity: 1 10/100 BaseT Ethernet, 1 USB 2.0 high-speed certified port,

1 EIO Jetdirect accessory slot.

Accessories

- EFI Designjet Edition 5.1. RIP for HP XL International (Q6643D)
- EFI Designjet Edition 5.1. RIP for XL Japan (Q6664D)
- HP Designjet Z3100 stand for AP and 24 in/610 mm model only (Q6663A)
- HP Designjet Z3100 44 in/1117 mm Spindle for technical media (Q6698A)
- HP Designjet Z3100 44 in/1117 mm Spindle for graphics media (Q6699A)
- HP Designjet Z3100 24 in/610 mm Spindle for graphics media (Q6700A)

Supported media

HP Photographic Paper:

- HP Professional Satin Photo Paper
- HP Premium Instant-Dry Gloss Photo Paper
- HP Premium Instant-Dry Gloss and Satin Photo Paper
- HP Universal Instant-Dry Photo Gloss
- HP Universal Instant-Dry Photo Semi-Gloss
- HP Photo Matte
- HP Photo Paper RC Matte
- HP Advanced Photo Paper, Glossy
- HP Advanced Photo Paper, Soft Gloss

HP Digital Fine Art Media:

- HP Collector Satin Canvas
- HP Professional Matte Canvas
- HP Artist Matte Canvas
- HP Universal Matte Canvas
- HP Canvas Paper 180 gram
- HP Aquarella Art Paper
- HP Hahnemühle Watercolor Paper
- HP Hahnemühle Smooth Fine Art Paper (from 265g/m² to 310g/m²)
- HP Hahnemühle Textured Fine Art Paper (from 265g/m² to 310g/m²)
- HP Matte Litho-Realistic Paper

HP Proofing Paper:

- HP Professional High-gloss Contract Proofing Paper
- HP Professional Semi-gloss Contract Proofing Paper
- HP Proofing Matte

HP Specialty Media:

- HP Colorlucent Backlit UV
- HP Colorfast Adhesive Vinyl
- HP Universal Adhesive Vinyl
- HP Instant Dry Indoor Banner, Gloss
- HP Opaque Scrim

- HP Banner with Tyvek

HP Coated Paper

- HP Universal Heavyweight Coated Paper
- HP Heavyweight Coated Paper
- HP Super Heavyweight Plus Matte Paper
- HP Premium Heavy Weight Paper
- HP Premium Inkjet Paper

HP Bond Paper:

- HP Bond & Coated Paper
- HP Universal Inkjet Bond Paper
- HP Bright White Inkjet Bond Paper
- HP Universal Coated Paper

HP 70 130-ml Pigment Ink Cartridges with Vivera

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

HP 70 Twin Pack Ink Cartridges with Vivera

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

HP 70 Printheads

- HP 70 Light Magenta and Light Cyan Printhead (C9405A)
- HP 70 Magenta and Yellow Printhead (C9406A)
- HP 70 Photo Black and Light Gray Printhead (C9407A)
- HP 70 Blue and Green Printhead (C9408A)
- HP 70 Matte Black and Red Printhead (C9409A)
- HP 70 Gloss Enhancer and Gray Printhead (C9410A)

More information about HP's Graphic Arts portfolio is available at www.hp.com/go/graphicarts.

Pricing and availability⁽⁸⁾

Estimated U.S. street price for the HP Designjet Z3100ps GP 24" model is \$5,095 and the 44" model is \$7,495. Expected to be available April 23, 2007.

⁽¹⁾ Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media using Original HP 70 ink supplies. 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.

⁽²⁾ HP's preliminary, internal results have shown the HP Designjet Z Photo Printer Series is capable of successfully simulating more than 80 percent of the PANTONE colors. HP Designjet Z2100, Z3100, and Z3100ps GP Photo Printers are pending PANTONE-licensing.

⁽³⁾ Bronzing is eliminated as an image-quality issue when HP Gloss Enhancer is used. HP Gloss Enhancer is used on photo media, with the exception of matte-finish papers.

⁽⁴⁾ For list of all compatible operating systems, please refer to product data sheet.

⁽⁵⁾ Available in North America, United Kingdom, Germany, France, Spain and Italy.

⁽⁶⁾ ICC absolute colorimetric accuracy on HP Proofing Matte.

⁽⁷⁾ With HP Premium Instant Dry Photo Satin media right after calibration.

⁽⁸⁾ With HP Premium Instant Dry Photo Gloss media.

⁽⁹⁾ Actual prices may vary.

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3/2007