

# HP Digital Projector xp8000 Series

xp8010 • xp8020



HP makes its debut in the ProAV market with three key differentiators never before offered by any maker: dual color wheels, instantaneous wireless and remote access management through a standard network connection.



## Dual color wheels

- **Absolute best color quality.** The only projectors in the world with dual, switchable color wheels, the HP Digital Projector xp8000 Series ensures a perfect color match for exceptional color, as well as an excellent grayscale. The color wheels can be switched from presentation to theater mode to present your best.
- **Brilliant anywhere.** With up to 3600 lumens, the HP Digital Projector xp8000 Series turns almost any environment into a theater, creating vivid images that are easy to see even in rooms that have ambient lighting.
- **Superb black and white imaging.** The space between the color wheels is used for a third monochrome mode offering 43% more lumens and unequalled grayscale for medical imaging, black and white movies, and any applications where detail in black and white are critical.

## Instantaneous wireless

- **No more frustrating delay.** Many wireless units involve a frustrating delay, leading people to assume that all wireless presentations are problematical. HP's compression technology and advanced image processing algorithms cuts the delay usually associated with wireless technology, resulting in seamless, responsive control with the optional wireless capability.

## Remote access management

- **Control all presentation aspects.** Remote access management software via a standard network connection protects your investment and optimizes your resources by reporting on all presentation aspects including lamp life and connection status as well as theft prevention.
- **Onscreen display simplifies operation.** The advanced setup, management, security, presentation and collaboration features are so intuitive that even a first-time user can maximize all the projector's features. In fact, it's so easy and intuitive, we challenge you to try it and see for yourself if it's not the easiest projector you've ever operated!
- **Proactive management for greater productivity.** HP's standard embedded web server and optional remote access management software is transforming projectors the way HP transformed printers, eventually enabling projectors to be remotely managed by IT departments. The result will be a more proactive and more productive control of projector assets.

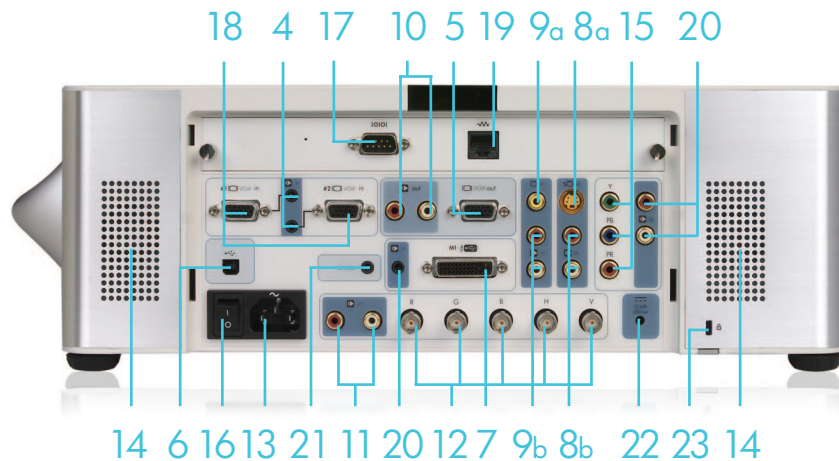
# HP Digital Projector xp8000 Series

1. Focus knob
2. Infrared receiver window
3. Projection lens featuring zoom with attachable short and long throw lens adapter, manual zoom
4. Associated audio in
5. VGA out port
6. USB port
7. M1-AD connection
- 8a. S-video connection
- 8b. Stereo audio in
- 9a. Composite plug
- 9b. Stereo audio
10. Stereo out
11. Stereo in
12. BNC plugs (R-G-B-H-V)
13. AC power
14. Two 5-watt speakers
15. Component connection Y-PB-PR
16. On/off switch
17. RS232 port
18. VGA 1 and VGA 2 ports
19. RJ45 LAN port
20. Associated audio in
21. Wired remote in
22. 12V, 2-amp control output
23. Kensington security slot



HP Digital Projector xp8010 shown

24. Standard connection board (houses the RS-232 connection and the LAN connection)



## Inputs

### Product highlights

- Vivid color and visual clarity for the best possible imagery—Colors have never been more vibrant, thanks to expert color matching, enhanced color tables, dual color wheels (a business graphics and a theater mode wheel), XGA resolution and a high contrast ratio. The high lumens and the special video-color mode create bright, vivid images that are easy to see, even in rooms that have ambient lighting. Whether your meeting room is mid-size or large, you can adjust the projection distance to create an image that fits your screen perfectly, no matter where you place the projector.

- Intuitive, easy-to-use interface—User-friendly remote asset management software lets you know when the lamp's life is running out so it won't burn out in the middle of an important presentation. It also shows you the network status of the projector, enabling a more proactive management of resources. Lamp replacement is easy, too, thanks to a conveniently accessible door.
- Rich sound for your presentations—Your audience is more attentive and your presentation more effective when the sound is rich and clear. That's why the HP Digital Projector xp8000 Series comes with stereo 5-watt speakers with a chambered design to enhance the visual features of your projector-based presentations.

In addition to its industry-leading image quality, the HP Digital Projector xp8000 series offers a host of connectivity options that simplify projector management while protecting your investment and optimizing your resources.



**Intuitive, laser-equipped remote control**

Access to all projector features is automatically optimized via an easy-to-use interface that eliminates the clutter and confusion often characteristic of remote control. You can move freely during presentations because there are no cords or wires to tie you to the projector. The projector also reacts easily to your IR-communicated demands so that you're never distracted from the presentation at hand. And all video and audio options are easy to find, easy to understand and easy to set so that you can concentrate on your presentation and your audience, instead of worrying about equipment.

**Manage a fleet of projectors from a single source.**

Once your projector is connected to a network, you can manage its functions and maintenance over the web. Turn it off or on, change the input, check the lamp life and perform other functions without physically visiting the projector. All such functions can be password-protected so that control is available only to those people you've designated to manage the projector.

**A variety of mounting options to simplify maintenance**

The HP Digital Projector xp8000 Series offers a variety of mounting options for maximum flexibility in projector placement. For long-term installation, you can mount the projector to a rear wall or to a ceiling. For short-term installation, you can simply position it on a tabletop. No matter where you place the projector, the top cover faces the user, so the lamp is easy to reach and replace

as needed. And no matter where you place it, you can connect to it wirelessly and effortlessly.

**HP management software prevents theft.**

If this projector is ever disconnected from the network or from its power source, security is instantly and automatically notified via the optional remote asset management software. After setting the software options for this security feature, you can be confident that your valuable equipment will remain safely where it belongs and that you will be immediately alerted if it is removed.

**Presentation data is protected by a wireless protocol.**

Feel secure in the knowledge that data shared during a presentation is protected. The security of the information you present is never compromised.

**Lower total cost of ownership**

TCO is reduced when remote management and regular maintenance minimize downtime and ensure optimal performance.

# HP Digital Projector xp8000 Series

Technical specifications	HP Digital Projector xp8010 (Product number: L1575A)	HP Digital Projector xp8020 (Product number: L1576A)
Brightness	2600 lumens, 3600 lumens in grayscale	3100 lumens, 3750 lumens in grayscale
Resolution	1024 x 768 True XGA	
Image contrast	800 to 1	1000 to 1
Lamp life	1,500 hours average	
Weight	13.2 lb	13.4 lb
Projected image size	Approximately 31 to 347 in	
Throw distance	Approximately 3 to 37 ft	
Display technology	Texas Instruments DLP™	
Resolutions supported through scaling	VGA (640x350) through UXGA (1600x1200)	
Projector lens	Standard 2.0–2.4:1, optional short-throw: 1.67:1–2.0:1; long-throw: 2.4:1–2.88:1	
Keystone correction	Horizontal ±17°, vertical ±40°	
Noise level	32 dB(A) ± 2 dB(A) peak	
Video capability	S-video, composite, component, HDTV (up to 1080i)	
Lamp type	250 watt P-VIP lamp	300 watt P-VIP lamp
Audio	Two 5-watt	
Audio/video composite input	Digital Graphics (M1-AD: provides VGA, DVI, component - all with USB - and SCART), two VGA input (15 D-sub), S-video input (mini-DIN), composite video input (RCA), component video input (RCA), analog video graphics input (BNC), switched audio inputs (mini phone plug), switched audio inputs (RCA); AV outputs: VGA output (15 D-sub), audio output (RCA); connectivity: LAN (RJ45), RS232 (9 D-sub), switched 12V power control (barrel), wired remote (mini phone), IR-remote front and rear, steel-backed Kensington lock slot	
Signal interface	15-pin VGA input connector, YPbPr RCA jack (green/red/blue), video RCA jack (yellow), audio RCA jack (red/white), 3.5 mm stereo mini jack, S-video connector, UART mini-DIN 8-pin connector, output: B-type USB terminal for mouse port, 15-pin VGA output connector	
Resizing of images to full screen	Automatic	
Detection of computer signal input	Automatic	
Image synchronization	Automatic	
Remote control	Wireless remote controller with USB mouse function and laser pointer	
Mounting capability	Ceiling, tripod and tabletop mountable	
Control interface	RS232	
Environmental humidity	80% RH max, 50 to 104° F (10 to 40° C)	
Dimensions (l x w x h)	17.4 x 12 x 5.5 in	
What's in the box	HP Digital Projector xp8010; AC 3 conductor power cord, 10-foot; VGA cable; cable shroud; wireless remote control with mouse function and laser pointer; multi-language User's Guide (CD-ROM); multi-language Quick Start card; 2 batteries; hanging lens cap; warranty card	HP Digital Projector xp8020; AC 3 conductor power cord, 10-foot; VGA cable; cable shroud; wireless remote control with mouse function and laser pointer; multi-language User's Guide (CD-ROM); multi-language Quick Start card; 2 batteries; hanging lens cap; warranty card

## Environmental ranges

Operating temperatures: 50 to 104° F (10 to 40° C)  
Storage temperatures: -4 to 140° F (-20 to 60° C)

## Power requirements

100–120V, 200–240V at 50–60Hz

## Power consumption

Maximum: 400 watts (xp8010), 450 watts (xp8020)

## Power certification

Safety certifications: USA (UL950, FDA—remote controller); Canada (CSA 22.2 #60950)  
Electromagnetic compatibility: USA (FCC Part 15 Class B, RF - FCC part 15 C), Canada: (ICES-003 Class B)

## Warranty:

3-year warranty

## Ordering information

Product number	HP product
L1575A	HP Digital Projector xp8010
L1576A	HP Digital Projector xp8020

## Service and support

Web support: [www.hp.com](http://www.hp.com)  
Phone support: 1-800 HP Invent (1-800-474-6836)

## Accessories

L1578A	Lens ultra wide angle 1:67:1 to 2.0:1
L1580A	Lens long throw 2.4:1 to 2.88:1
L1581A	Advanced connectivity module
L1582A	250-watt comp P-VIP projector lamp (xp8010)
L1583A	300-watt comp P-VIP projector lamp (xp8020)
L1584A	Soft carry case
L1585A	Hard carry case
L1586A	Remote control, Wireless (IR) Smart (included)
L1590A	Ceiling mount
L1640A	802.11b Compact Flash wireless card
L1642A	Cable extended IR receiver
L1645A	Gyration Ultra Pro Suite
L1646A	Gyration RF remote control
L1682A	Remote Access management software

## Cables

L1514A	Cable, VGA/USB to M1-DA, 6-ft
L1529A	Cable, M1-DA to DVI/USB, 6-ft
L1588A	Cable, M1-DA to SCART, 6-ft
L1589A	Cable, M1-DA to BNC, 6-ft

## HP recommends Microsoft® Windows® XP Professional for mobile computing.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

© 2003, 2004 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

For more information visit our website at [www.hp.com](http://www.hp.com)

5982-1149ENUC, Rev. 2, 02/27/2004

