



hp digital projector xb31/sb21
digital projectors for the mobile professional

The HP Digital Projector is designed for the business professional who needs to project a high-quality image with ease. This quiet, lightweight projector ensures worry-free, professional presentations with HP reliability, compatibility, and versatility.

quality image

- for the highest quality image—the hp digital projector xb31 provides industry-leading brightness and the highest resolution for presentations that impress at a micro-portable weight that is still light enough to carry easily from room to room
- industry-leading brightness in any setting—even with the room lights on, your audience will see your presentation with optimal clarity, the hp digital projector xb31 features 1,500 comparable lumens
- sharp, clear, accurate—your presentation will look as good projected as it does on your computer screen with true XGA (1024 by 768 dpi) resolution

mobile

- lighter than most laptops—at just over two pounds and 8 by 5.5 by 2 inches in size, the hp digital projector sb21 is designed for the mobile professional; it lets you present a high-quality image in a compact design that won't weigh you down
- you don't give up brightness—this micro-portable projector that fits into a purse or briefcase pouch also projects a bright, sharp, clear image with 1,000 comparable lumens, true SVGA resolution, and a high contrast ratio
- perfect partners—the hp digital projector and an hp notebook computer help you stay productive, mobile, and successful and they both feature hp reliability and compatibility for worry-free performance

easy-to-use

- easily adapts to any venue—both hp digital projector models are equipped with built-in, full-screen NTSC/PAL/SECAM video capability, and compatibility with S-video, composite, component, and HDTV terminals plus SXGA, XGA, SVGA, VGA, and MAC® from one MD-I input terminal
- simple presentation set-up—equipped with automatic image synchronization for easy tracking, frequency, and position adjustment
- simple device set-up—the hp digital projector automatically detects computer signal input and re-sizes images to a full screen, giving users the flexibility they need to switch sources quickly and easily for any presentation
- flexibility—a wireless remote control with USB mouse function and a laser pointer give you the freedom to move about the room and engage your audience

HP—your trusted partner—helping you to achieve cost and productivity leadership by effectively bridging hardcopy and digital solutions to solve your business problems.

hp digital projectors

hp digital projector xb31



unbelievable brightness unbelievable contrast ratio

- TI DLP™ light engine for the brightest, highest-contrast image possible
- 1500 comparable lumens for a bright picture with the room lights on
- 1800:1 contrast ratio for deep blacks and rich, full colors
- true XGA (1024 by 768 dpi) for optimal clarity
- no surprises imaging™
- 8.9 by 7.2 by 2.6 inches
- 3.5 pounds

remote controller



unbelievable size unbelievable weight

- fits in a pocketbook or with a laptop in your briefcase
- smallest of footprints with great image quality
- TI DLP light engine for the brightest, highest-contrast image possible
- 1,000 comparable lumens
- true SVGA (800 by 600 dpi) resolution
- 7.9 by 5.5 by 2.3 inches
- 2.2 pounds

hp digital projector sb21



if your presentation looks good, you look good

Whether pitching a new product, describing a design's progress, providing training, or presenting financial results, you only have one opportunity to engage and convince your audience.

HP Digital Projectors are perfect for mobile professionals—presenting in a variety of rooms on site or around the world—who demand a projector that will deliver polished and professional presentations with a high-quality image. These lightweight, easy-to-use projectors provide uncompromising image brightness, contrast, and resolution, assuring that you and your presentation get results.

HP helps you fulfill the high standards that the fast-paced, competitive marketplace has established. Photographs project clearly with accurate colors, CAD drawings and plans are projected with high resolution—even the most detailed spreadsheets are easy to read—and your presentation can include both digital and analog input. Plus with the HP Digital Projectors' quiet performance and ability to project vivid images even with the room lights on, you can stay engaged with your audience, lead support exercises, and get your messages across without raising your voice.

complete mobile solutions from a trusted partner

Customers around the world count on HP to provide business critical support that gets results and contributes to business success. The HP Digital Projector complements the HP product portfolio, including the entire Omnibook notebook PC line, Jornada handheld PCs, HP's portable Deskjet printer, and business desktop PCs.

For easy compatibility, HP Digital Projectors work with any notebook—PC or Macintosh®—but you will benefit from optimized performance when you use it as part of an HP mobile solution. When combined with HP's Omnibook 500 or 6000 notebook PC, the "presentation ready" mode hot key automatically adjusts power management and disables screen savers while locking in the signal to the projector. One button is all it takes to make your Omnibook talk seamlessly to your projector.

And with HP Digital Projectors you are assured the highest image quality with "no hassles" reliability. HP has developed the industry standard for high-resolution printed images and scanning technology and now you can count on those same high-quality images "printed to the screen." Plus, with HP's reputation for reliability and the digital projectors' two-year expedited repair warranties, you can focus on your presentation and let HP take care of the rest.

the freedom to connect with your audience

Industry leading contrast ratio, bright imaging, and accurate colors capture and keep the attention of your audience and project the best image of you and your presentation:

- 1800:1 contrast ratio provides high definition and clear details
- DLP light processor allows maximum brightness in a small, lightweight size
- superb imaging quality—what you see on your laptop is what you see projected on the screen
- image is bright enough to be effective even in rooms with the lights on
- great color matching
- quiet 35 dBA noise level allows you to hear questions and comments and to be heard without raising your voice
- full-functionality remote control so you can control your presentation while staying engaged with your audience

The light weight, small size, and versatile connections allow you to pack, go, and present whenever and wherever you need to:

- choose from the micro-portable xb31 at 3.5 pounds or the sb21 at 2.2 pounds
- connect to any input source—S-video, composite, component, and HDTV terminals and one MD-I terminal for SXGA/XGA/SVGA/VGA/MAC compatibility (SXGA in xb31 only)
- travels easily with built-in, full-screen NTSC video capability (the U.S. standard) and PAL and SECAM capabilities (the European standards)
- supports Windows® and Macintosh computers
- projector, remote, and cables all fit into the standard carrying case and can slip into the pocket of your carry-on

**superb image
quality**

technical specifications

hp digital projector xb31 and sb21

great mobility

- lightweight with the smallest of footprints
 - xb31: 3.5 pounds
 - sb21: 2.2 pounds

unsurpassed image quality and brightness

- TI DLP light engine for the brightest, highest-contrast image possible
 - xb31: 1500 comparable lumens
 - sb21: 1000 comparable lumens
- 1800:1 contrast ratio for deep blacks and rich, full colors
- true XGA resolution
 - xb31: 1024 by 768 full screen
- true SVGA resolution
 - sb21: 800 by 600 full screen
- automatic detection of computer signal input
- automatic image synchronization
- tracking, frequency, and position adjustment
- self-protect timer for hot re-strike of compact P-VIP lamp

easy to use

- wireless remote controller with USB mouse function and laser pointer
- optical zoom (xb31 only)
- digital zoom
- automatic image re-sizing
 - xb31: 1024 by 768 full screen
 - sb21: 800 by 600 full screen
- enlarge and freeze function
- automatically saves adjustments for future use
- built-in two-watt speaker (xb31)
- on-screen menu with nine languages
- high efficiency cooling system with low acoustic noise level
 - advanced air flow with three fans (xb31)
 - viewer friendly airflow—hot air blows out of the front, away from the conference table
 - maximum touch temperature follows UL1950 regulation
 - temperature control circuits with adaptive voltage control fan speed (xb31)

universal connectivity

- built-in full-screen NTSC/PAL/SECAM video compatibility with the following terminals:
 - S-video
 - composite
 - component
 - HDTV
- XGA/SVGA/VGA/MAC compatibility (SXGA in xb31 only)

standard warranty

- two year parts and labor
- one year expedited repair or express exchange
- two year phone support
- lamp module—90 days/500 hours
- accessories—90 days
- hp Web support
- hp e-mail support

ordering information

| number | description |
|--------|---------------------------|
| L1510A | HP Digital Projector sb21 |
| L1511A | HP Digital Projector xb31 |

optional accessories

| | |
|--------|--------------------------------------|
| L1513A | Ceiling mount connector |
| L1515A | Lamp module for sb21 model |
| L1516A | Lamp module for xb31 model |
| L1523A | HDTV/USB to M1-A cable |
| L1528A | International AC power cords (1.8 m) |
| L1529A | DVI/USB to M1-D cable (1.8 m) |

For more information

Service: Visit www.hp.com/digitalprojectors

Purchase: HP business solutions, products and supplies can be purchased at your local HP partner (www.hp.com/go/locator), or bought directly from HP at www.buy.hp.com or 800-613-2222.

Finance: HP finance plans provide all the benefits of new technology without the risk or cost of ownership. For details, call toll-free 888-999-HPTF (4783).

Accessibility: HP is committed to providing products and services that are accessible to people with disabilities. For more information, please visit www.hp.com/accessibility or call 888-259-5707.

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www.microsoft.com/piracy/howtotell

| hp digital projector | xb31 (L1511A) | sb21 (L1510A) |
|--------------------------|---|---|
| projection system | single-panel 0.7 in 12° DDR DMD XGA (TI DLP) | single-panel 0.55 in 12° DDR DMD SVGA (TI DLP) |
| brightness | 1500 comparable lumens | 1000 comparable lumens |
| resolution | true XGA (1024 by 768), interpreted SXGA (1280 by 1024) resolution; 16.7 million colors | true SVGA (800 by 800), interpreted XGA (1024 by 768) resolution; 16.7 million colors |
| contrast | 1800:1 (full black and white) | 1800:1 (full black and white) |
| color | 7100° K (default) | 7100° K (default) |
| uniformity | 85% peak (Japan standard) 75% typical (Japan standard) 65% minimum (Japan standard) | 85% peak (Japan standard) 75% typical (Japan standard) 65% minimum (Japan standard) |
| projection | F/2.44–2.69 f=28.8–34.5 mm 1.2 by manual zoom lens image size adjustable from 28 to 295.3 inches (diagonal) | F/2.4 f=21.9 mm fixed focal lens image size adjustable from 25 to 300 inches (diagonal) |
| throw distance | 3.7 to 39.4 feet (1.14 to 12 m) | 3.3 to 39.4 feet (1.0 to 12 m) |
| lens | optical zoom; manual focus | digital zoom; manual focus |
| video compatibility | NTSC: M (3.58 MHz), 4.43 MHz PAL: B, D, G, H, I, M, N SECAM: B, D, G, K, K1, L HDTV: 480i, 480p, 720p, 1080i | NTSC: M (3.58 MHz), 4.43 MHz PAL: B, D, G, H, I, M, N SECAM: B, D, G, K, K1, L HDTV: 480i, 480p, 720p, 1080i |
| computer compatibility | SXGA, XGA, SVGA, VGA, MAC | XGA, SVGA, VGA, MAC |
| audio | built-in two-watt speaker | n/a |
| acoustic noise | 32 dBA peak under 25° C 35 dBA typical under 25° C 39 dBA maximum under 40° C | 32 dBA peak under 25° C 35 dBA typical under 25° C 39 dBA maximum under 40° C |
| lamp | 150-watt compact P-VIP lamp (user replaceable); 20+ months estimated lamp life with typical usage | 120-watt compact P-VIP lamp (user replaceable); 20+ months estimated lamp life with typical usage |
| power supply | Universal AC 100-240V, 50/60 Hz with PFC input | Universal AC 100-240V, 50/60 Hz with PFC input |
| product certification | FCC Part 15, Class B; CE-Class B; VCC Class B; BSMI; UL; CUL; TÜV-GS | FCC Part 15, Class B; CE-Class B; VCC Class B; BSMI; UL; CUL; TÜV-GS |
| environmental range | operating: 50 to 104° F (10 to 40° C) storage: -4 to 140° F (-20 to 60° C) | operating: 50 to 104° F (10 to 40° C) storage: -4 to 140° F (-20 to 60° C) |
| dimensions (w by d by h) | 8.92 by 7.23 by 2.67 inches (226.5 by 183.6 by 67.75 mm) | 7.9 by 5.55 by 2.3 inches (200.7 by 141 by 60.38 mm) |
| weight (approximate) | 3.5 lb (1.6 kg) | 2.2 lb (1 kg) |
| what's in the box | hp digital projector xb 31 standard accessories: • VESA M1-A-to-D sub and USB cable (1.8 m) • 4-pin S-video-to-4-pin S-video cable (1.8 m) • RCA jack-to-RCA composite video cable (1.8 m) • 2.5 mm phonejack-to-2.5 mm phonejack audio cable • wireless remote control with mouse function and laser pointer • two batteries • tethered lens cap • carrying bag • multi-language user's guide (CD-ROM) • multi-language quick start card • support information data sheet | hp digital projector sb 21 standard accessories: • AC power card (1.8 m) • VESA M1-A-to-D sub and USB cable (1.8 m) • USB Mini-B 5-pin-to-4-pin S-video cable (1.8 m) • 2.5 mm phonejack-to-RCA composite video cable • wireless remote control with mouse function and laser pointer • two batteries • tethered lens cap • carrying bag • multi-language user's guide (CD-ROM) • multi-language quick start card • support information data sheet |

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