

# HP mp3220 digital projector



Your presentations will always look sharp with the HP mp3220 digital projector. Easy to set up, operate, and transport, this is the mobile solution you can rely on, at a price you can afford.

## Smooth, easy operation

- **Travel light.** At a size of just 8.3 x 9.9 x 2.8 inches and a weight of 3.8 pounds, the HP mp3220 digital projector is the only projector package you'll need. With a footprint about the size of a standard sheet of paper, this projector fits neatly into your briefcase or backpack with room to spare, for the ultimate in mobility.
- **Input almost anything.** A full array of audio and video inputs allows you to use the projector with virtually any source, from your laptop computer to a PDA or DVD player. The projector is equipped with built-in audio as well as full-screen NTSC/PAL/SECAM video capability, VGA to UXGA scalability, and is compatible with VGA, composite, component, S-video, and HDTV inputs.
- **Choose the optimal setting with one button.** Whether you're giving a PowerPoint presentation with charts and graphs or running video, you need a clear, bright picture. The HP mp3220 digital projector puts the choice at your fingertips. The image optimization selector for data and video lets you select the best color contours and contrast levels for your presentation with one button.

## Images that impress

- **Project with astonishing contrast and brightness.** The projector delivers superior brightness with 2000 ANSI (max) lumens<sup>1</sup> and is equipped with a super-sharp contrast ratio of 2000:1 for crisp, clear images you'll have to see to believe.
- **Scale confidently.** Get superior scaling resolution from this projector. It comes with XGA native resolution, and VGA to UXGA (1600 x 1200) scalability. You'll always see clean, sharp detail, whether you're projecting for a small, impromptu meeting or a large business conference.
- **Show off rich and consistent color.** The projector features Texas Instruments DLP technology, which leads the pack when it comes to quality and consistency on screen. This proven technology will keep color looking the same across the image, with no fading or loss of resolution—so you get rich, vibrant color!

## Incredible value

- **Own a versatile and affordable projector solution.** The HP mp3220 digital projector is the ideal mobile projector for your needs, combining bright, high-quality images with smooth, easy operation—all at an excellent price.
- **Secure your investment.** You can depend on HP with a 2-year warranty, including Express Exchange for any defective bulbs within 90 days via overnight shipment. Free unlimited telephone support 24/7 for basic setup, installation, and troubleshooting is available in North America, Europe, and Asia Pacific.

<sup>1</sup> The ANSI (max) lumens rating is based on ANSI/NAPM IEC 61947-1 tests of 33 units, in May, 2004, with a projector mean ANSI lumens of 1759 and maximum ANSI lumens of 2019. The ANSI (max) lumens specification is provided to enable customers to accurately compare HP digital projectors lumens with the lumen ratings of other vendors. Lamp brightness will decline with use. Replacing the used lamp with a new factor lamp will restore the projector's output to its original brightness range.

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- 1 Projection lens with swing-up cover
- 2 IR remote control sensor (1 of 2)
- 3 Venting
- 4 IR remote control sensor (2 of 2)
- 5 USB input
- 6 Audio input (3.5 mm phone jack)
- 7 Composite video input (RCA jack)
- 8 S-video inputs (Min Din 4 pin)
- 9 Computer/component input (VGA terminal; see accessory L1713A)

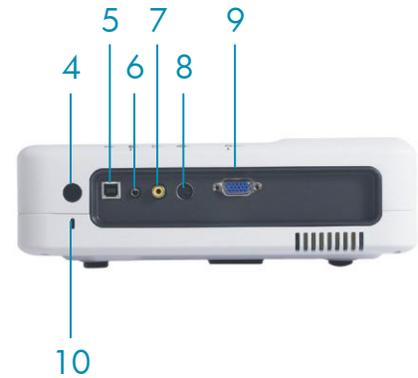


HP mp3220 digital projector (front view)

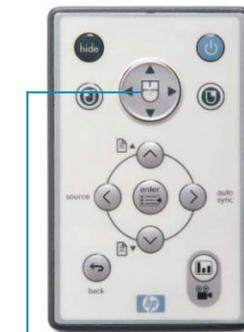
- 10 Security slot
- 11 Magnesium alloy top and bottom, high temperature plastic sides
- 12 Elevator foot button
- 13 Zoom adjustment, focus ring
- 14 Power button
- 15 Menu, directional controls, sync and source buttons
- 16 Image optimization selector: data mode, video mode
- 17 LED indicators
- 18 Power cable input
- 19 Remote control mouse function



Controls (top view)



Inputs (rear view)



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Standard remote control

## Product highlights

- **Depend on keystone correction for a professional look.** With advanced electronic keystone correction, the projector can adjust to keep a squared, undistorted image, delivering a professional presentation every time.
- **Make interruption-free presentations.** The projector features a credit card-size remote control with mouse functionality, and by connecting with USB, you can control your laptop from the projector—leaving you free to manage your presentation while staying focused and engaged with your audience.
- **Be flexible.** Utilizing the many adjustable features is easy, with focus, zoom, image optimization, economy mode, saturation, brightness, sharpness, contrast, and source buttons all located on top of the projector and most of them on the remote control.
- **Preserve your lamp.** The convenient economy mode option lets you operate the HP mp3220 digital projector at 20 percent lower lumens, providing power savings and extending the life of your projector lamp.
- **Project from nearly anywhere.** The smart, stylish design is functional in a variety of settings: with ceiling and tripod mounting options, featuring both digital and optical zoom, a sliding lens cover for storage, and one-hand elevator foot operation—making this projector truly mobile. At just 3.8 pounds (less than most notebook computers), and with your included carry case, the HP mp3220 digital projector is designed to keep pace with your business lifestyle.

# Superior quality, boundless mobility and unprecedented freedom—everything you'll likely ever need in mobile projection.

## Always dazzling

Don't let its size fool you: the portable HP mp3220 digital projector reliably gives you astonishingly solid images. You'll rival the best projecting technology with 2000 ANSI (max) lumens,<sup>1</sup> plus a razor-sharp contrast ratio of 2000:1 for superior clarity.

And when it comes to image quality and consistency, DLP technology is the undisputed industry leader. Combined with the projector's high lumens rating, DLP delivers a perceptible difference in color fidelity and depth across the whole screen. And DLP technology protects your investment by keeping color looking great year-after-year, with no fading.

## Small is good

In business and consulting applications, mobility is the name of the game. The projector is made to travel—light and portable, yet it's sturdily built and highly compatible to perform reliably under demanding and unpredictable travel conditions. Depend on its agility, to adjust for an awkward position with keystone correction, and to always tote easily.

Now you can travel with just your projector and a laptop, or even a PDA. Walk into a room and within minutes have your projector set up and ready, with little clutter or fuss:

1. Plug into an AC outlet and connect to your presentation source (laptop, VCR, etc.)
2. Adjust the picture with focus, elevation, and keystone correction, if needed
3. Stand back and begin!

## Designed to put you in your best light

Effective communicators know not to let technology get in the way of their ideas: so make an immediate impression with the smooth and simple HP mp3220 digital projector. The slim design keeps you looking professional while the light weight and easy setup make sure you aren't encumbered by your tools, so you stay as focused as possible.

With its compact size and low noise level, the projector won't distract your audience from the spectacular images or your voice as you command the room. Plus, the wireless control lets you range freely and be engaged—making the best impact for your presentation.

## Maximize your presentations with versatile accessories from HP



**Lamp module**

L1720A

Always have a backup module for your presentations.



**6-foot component (HDTV) VGA cable**  
L1713A

Easily present high definition content from devices with component outputs.



**60-inch mobile screen**  
L1633A

Lightweight and easy to carry with a built-in handle, this mobile screen sets up anywhere you need it.



**Premium remote control**  
L1586A

Effortlessly control every detail of your presentation with a laser pointer and enhanced navigation controls.



**Deluxe combination travel case**  
L1622A

An economic and sturdy design allows you to take a notebook, projector and even a mobile printer, wherever you need to present.



**Ceiling mount**  
L1703A

Position your projector to achieve the optimal image size for your screen or viewing surface.

# HP mp3220 digital projector

Technical specifications	HP mp3220 digital projector (L1675A)
<b>Brightness</b>	2000 ANSI (max) lumens <sup>1</sup>
<b>Resolution</b>	1024 x 768 True XGA
<b>Image contrast</b>	2000:1 full on/full off
<b>Lamp life</b>	2000 hours/3000 hours in economy mode
<b>Weight</b>	3.8 lb (1.7 kg)
<b>Projected image</b>	
Size	Adjustable from 24.4 to 292.5 in diagonal (0.62 to 7.4 m)
Uniformity	Greater than 75% typical
Throw distance	Approximately 3.3 to 29.4 ft (1.2 to 12 m)
Projection offset	115% of image above center line
<b>Display technology</b>	Single-panel 0.7 in 12° DDR DMD XGA projection system (TI DLP)
<b>Scalable resolution</b>	Native XGA (1024 x 768) - scales up from VGA (640 x 480) and scales down from UXGA (1600 x 1200); Automatic resizing supported
<b>Projector lens</b>	~2.4 (wide), ~2.65 (tele); manual zoom; manual focus; digital and optical zoom
<b>Keystone correction</b>	Advanced electronic keystone correction +/- 16° (32° total) typical
<b>Noise level</b>	Normal mode: 37 dB(A) peak; Economy mode: 35 dB(A) peak, under 25 degrees C
<b>Light source</b>	200-watt compact P-VIP projector bulb
<b>Audio</b>	1 watt, mono internal speaker
<b>Video capability</b>	S-video, composite, component, HDTV (up to 1080i)
<b>Video formats</b>	NTSC, PAL, SECAM
<b>Input connections</b>	Computer input (VGA terminal), composite video input (RCA jack), S-video inputs (Min Din 4 pin), audio input (3.5 mm phone jack), USB input, component/HDTV via L1713A adapter cable
<b>Detection of computer signal input</b>	Automatic
<b>Computer compatibility</b>	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, 576i/P, 720P, 1080i
<b>Image synchronization</b>	Automatic
<b>Remote control</b>	With power, page up/down, mouse, menu, sync, and source buttons
<b>Menus</b>	User-friendly 11-language On Screen Display (OSD)
<b>Mounting capability</b>	Ceiling, tripod, and table top
<b>Tilt angle</b>	8 degrees with elevator foot
<b>Dimensions (w x d x h)</b>	2.77 x 9.88 x 8.27 in (70 x 251 x 210 mm)
<b>What's in the box</b>	HP mp3220 digital projector, 10-ft power cable, VGA cable, USB cable, remote control, remote control battery, carry case, documentation kit, including Quick Setup Card, CD-ROM with User's Guide, Important Safety Information booklet, Worldwide Limited Warranty and Technical Support booklet, Worldwide Telephone Numbers booklet, Program License Agreement

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<b>Environmental ranges</b>	
Operating	41 to 95° F (5 to 35° C)
Storage	-4 to 140° F (-20 to 60° C)
Relative humidity	80% RH, (max) non-condensing
Altitude	Operating: 10000 ft; Storage: 40000 ft
<b>Acoustics</b>	Normal mode: 37 dB(A); Economy mode: 35 dB(A); under 25 degrees C
<b>Power</b>	
Requirements	Universal 100 to 240 VAC, 50/60 H
Consumption	250 watts maximum
<b>Certifications</b>	
Safety	cULus, TUV-GS, CCC, EN60950, PSB, NOM, B-mark, GOST, FDA DHHS, SHOAN
Electromagnetic compatibility	FCC Part 15 Class B, EN55022: 1998, EN55024: 1998, VCCI, MIC, C-Tick
<b>Warranty</b>	2 year standard unit warranty with customer choice of express exchange or repair; 90-day Standard Bulb warranty, within the bulb warranty period, defective bulbs will be replaced via overnight shipment; HP's toll-free support 1-800-474-6836 (1-800-HP invent), available 24 hours a day, 7 days a week; certain restrictions and exclusions apply, consult the Product Information Center for details.

## Ordering information

HP Product	Number
HP mp3220 digital projector	L1675A
<b>Accessories and supplies</b>	
Remote Control, w/mouse function (included)	L1712A
Remote Control, Smart Wireless (IR)	L1586A
Screen, 60-inch Mobile	L1633A
Screen, 50-inch Presenter	L1671A
Deluxe Combination Travel Case	L1622A
Carrying Case (included)	L1678A
Ceiling Mount	L1703A
Lamp Module	L1720A
<b>Cables</b>	
Cable, Audio Two-Headed	L1532A
Cable, VGA (included)	L1625A
Cable, S Video, 6-foot	L1635A
Cable, USB, 6-foot (included)	L1661A
Cable, USB, 16-foot	L1706A
Cable, component/HDTV to VGA, 6-foot	L1713A
<b>HP Care Pack</b>	
1-year post warranty express exchange	U4802A/E

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