



P12 LTW laser projector

Touch—it's the way the real world works. Now it can be the way your interactive classroom works, too. Touch to draw. Touch to write. Touch to move, scale, and rotate. With up to 10 users working at the same time. All this, plus the reliability of lasers, which means no bulbs to change—ever.

“[P12 LTW] provides educators with an easy-to-use, all-in-one solution that effectively delivers collaborative classroom instruction and meets all my students’ needs.”

Lynn Reedy
Technology Specialist

What could be more natural than touch?

It's the new standard for smartphones and tablets. It's second nature to today's students, so touch requires almost no training.

The P12 LTW ultra-short-throw projector brings collaborative, 10-touch interactivity* to your classrooms, with images as large as 115 inches!

Its laser illumination saves you time and resources. There's no lamp to fail, no lamp to change. And there's a 20-year laser life span.**

- A full-featured hardware and software solution.
- Comes with easy-to-learn and easy-to-use MimioStudio™

classroom software and the MimioMobile™ app.

- Software and app enable collaboration and assessment either at the front of room or on almost any student device.
- A solution that makes it easy to gauge and personalize student learning.
- Laser projection means no bulbs to change — ever.
- Analog and digital audio/video connections ensure compatibility with virtually any PC.
- Runs on Mac, Windows, and Linux.
- Ethernet LAN connectivity, for central management and control.

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com



Up to ten students can work together at the front of the classroom, with touch interactivity.

To learn more, call 360.464.2119.

* Also available as a pen-only and non-interactive option.

** Defined as a typical school year of 200 days with 5 hours of use per day.

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Key Features

Package Contents



P12 LTW laser touch-interactive projector - Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, mini-USB cable (5m), 2 magnetic static pens, laser curtain module, DC power cable for laser curtain, and MimioStudio software license.

P12 LIW laser pen-interactive projector - Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, mini-USB cable (5m), 2 IR pens, and MimioStudio software license.

N12 LNW laser non-interactive projector - Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, and mini-USB cable (5m).

Specifications

| | | |
|--------------------------------|---|---|
| OS | Software Requirements | MimioStudio 11.6 or higher on a Windows, Mac, or Linux OS |
| | | |
| Display | Brightness | 3,700 lumens (2,600 eco) |
| | Light Source | Laser Diode x 23 |
| | Laser Life (typical) | 20,000 hours |
| | Native Aspect Ratio | 16:10 |
| | Native Resolution | WXGA 1280 x 800 |
| | Image Size (diagonal) | 85 in. - 115 in. (216 cm - 292 cm) |
| | Keystone Correction | Vertical: $\pm 5^\circ$ |
| | Contrast Ratio (typical) | 1,800:1 (10,000:1 high contrast) |
| | Color Reproduction | 1.07 billion colors (R/G/B 10 bit) |
| | Color Uniformity | $\Delta u'v' \leq 0.03$ |
| | Projection Lens | f/2.4 |
| | Throw Ratio | Ultra-short throw of 0.27 |
| | Focus Type | Manual |
| | Projection Technology | Digital Light Processing (DLP), utilizing a 6-segment color wheel. |
| Closed Captioning | Based on TI DDP4421 spec, CC1/CC2/CC3/CC4 supported | |
| 3D | DLP Link 3D and HDMI 1.4a 3D | |
| Audio/Video Connections | Digital A/V Inputs | HDMI x 2 |
| | Video Analog Inputs | - VGA x 1 - VGA in/out switched* x 1 - Composite x 1 |
| | Video Analog Outputs | VGA in/out switched x 1 |
| | Audio Analog Inputs | - Stereo line 3.5 mm x 1 - Stereo line RCA jacks x 1 - Mic level 3.5 mm x 1 |
| | Audio Analog Outputs | Line out 3.5 mm x 1 |
| Speaker | 1 speaker 10 W | |
| Control | LAN | Standard using RJ-45 connector |
| | LAN Control Protocols | Crestron |
| | Laser Curtain DC Power | 3.5 mm |
| Mech | Mounting | Front or rear projection, wall, ceiling, or table mount** |
| | Security | Kensington Lock >20 kg |
| General | Power Supply | AC 100 – 240 V 50-60 Hz |
| | Power Consumption (typical) | Normal mode: 330 W ECO mode: 210 W Standby: < 0.5 W Touch Mode*** |
| | Operating Temperature | 5 - 40° C (41 - 104° F) non-condensing |
| | Fan Noise | Full mode : 36dBA (typical) / 38dBA (maximum) ECO mode : 32dBA (typical) / 35dBA (maximum) |

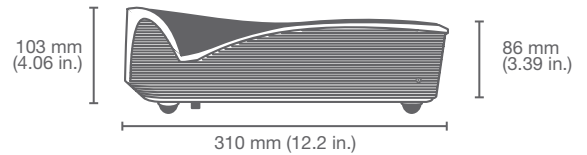
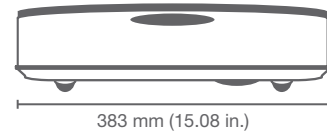
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|--------------------------|---------------------------------|--|
| Interactivity**** | Touch Points | 10 |
| | Calibration | Auto/Manual |
| | Laser Curtain Module | IR Laser 825 nm, 20,000 hrs |
| | Laser Curtain Power | 12V/0.3A from projector |
| | Visible Laser Curtain Alignment | - Visible light 650 nm - Optical power < 0.39 mW - Dot size at focus point 10 mm |
| | Whiteboard Non-planarity | <3 mm |
| | Laser Safety | IEC 60825-1 Class-1 |
| | Interactivity | USB Mini |

* One connector switchable between VGA in or out.
 ** Ceiling and table mount require third-party bracket.
 *** LAN/RS-232/VGA out are off.
 **** Laser Curtain specifications only apply to touch model.

Dimensions and Weight

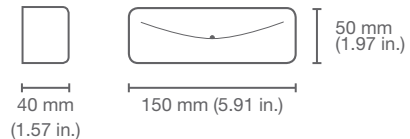
Projector

Weight: 8 kg
(17.6 lb)

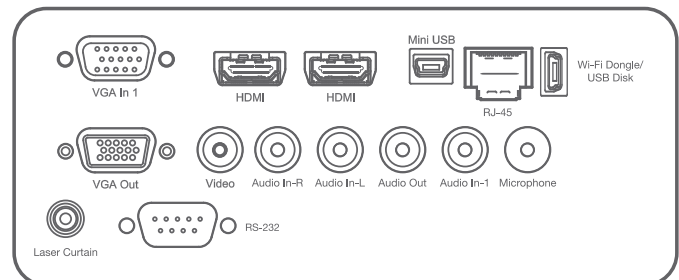


Laser Curtain Module

Weight: .35 kg
(.77 lb)



Connections



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