



P12 LTH laser projector

Get HD interactive imagery as large as 102 inches! Create this collaborative touch-enabled area with our P12 LTH laser projector. All this, plus the reliability of lasers, which means no bulbs to change — ever.

“[P12 LTH] provides brilliant, large-scale interactivity and collaboration at a scale that would be out of our budget in an interactive display.”

Travis Rink
Science Teacher

The P12 LTH 1080P provides twice the pixels of a conventional laser projector. The touch-enabled interactivity is second nature to today's students, so students and teachers are up and running in minutes.

The P12 LTH ultra-short-throw projector brings collaborative, 10-touch interactivity* to your classrooms, with images as large as 102 inches! Allowing your classrooms to experience large-scale interactivity that wouldn't have been in your budget when considering displays.

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 in pen-only and non-interactive models.

** 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 LTH 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 LIH 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 LNH 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	3,300 lumens (2,300 ECO)
	Light Source	Laser Diode x 23
	Laser Life (typical)	20,000 hours
	Native Aspect Ratio	16:9
	Native Resolution	WXGA 1920 x 1080
	Image Size (diagonal)	87 in. - 102 in. (221 cm - 259 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 0.25
	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)

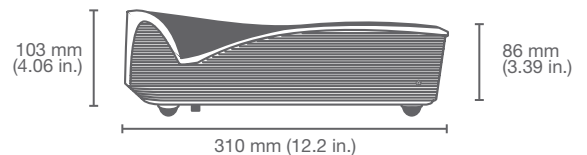
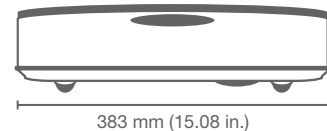
Interactivity****	Touch Points	10
	Calibration	Auto/Manual
	Laser Curtain Module	IR Laser 825 nm, 20,000 hrs
	Laser Curtain Power	12V/0.3A from projector
	Visible Laser Curtain Alignment	- Visible light 650 nm - Optical power < 0.39 mW - Dot size at focus point 10 mm
	Whiteboard Non-planarity	<3 mm
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

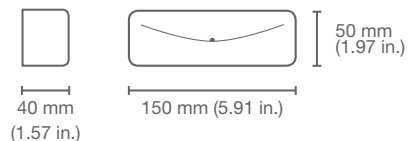
Projector

Weight: 8 kg
(17.6 lb)

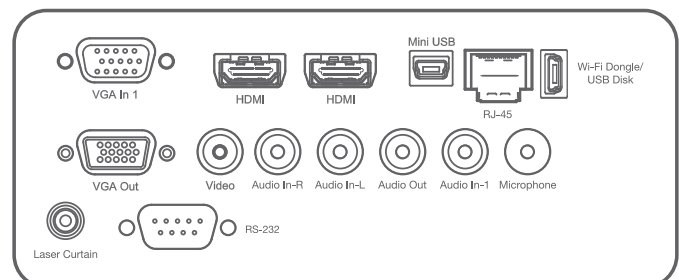


Laser Curtain Module

Weight: .35 kg
(.77 lb)



Connections



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