



P12B 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. Collaboration made brilliant.

“[P12B] is an all-in-one solution to effectively deliver classroom instruction and collaboration.”

Tricia Fontenet
Third-Grade Teacher

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 P12B ultra-short-throw projector brings collaborative, 10-touch interactivity* to your classrooms, with images as large as 110 inches!

- 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 the room or on almost any student device.

- A solution that makes it easy to gauge and personalize student learning.
- Laser Curtain Module is powered directly from the projector – no extra wires or complicated installation.
- 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.



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

Touchboards

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To learn more, call 360.464.2119.

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

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Key Features

Package Contents



P12BTW 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.

P12BIW 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.

N12BNW 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	4,000 lumens (2,800 eco)
		Light Source	260 W Philips halogen
		Lamp Life (typical)	3000 hr (standard) / 4000 hr (economy)
		Native Aspect Ratio	16:10
		Native Resolution	WXGA 1280 x 800
		Image Size (diagonal)	80 in. - 110 in. / 203 cm - 279 cm
		Keystone Correction	Vertical: $\pm 10^\circ$
		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 Watts.		
Control	LAN	Standard using RJ-45 connector	
	LAN Control Protocols	Crestron	
	Laser Curtain DC Power	3.5 mm	
Mech	Service and Network Control	RS-232, RJ45, mini-USB (shared with interactive)	
	Mounting	Front or rear projection, wall, ceiling, or table mount**	
General	Security	Kensington Lock >20 kg	
	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)	

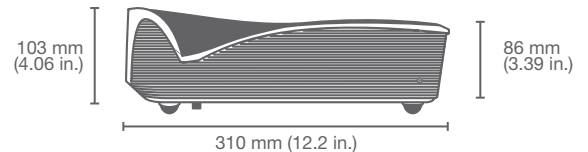
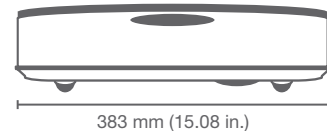
Interactivity****	Touch Points	10
	Calibration	Auto/Manual
	Laser Curtain Module	IR Laser 825 nm, 20,000 hrs
	Laser Curtain Power	12V/0.3A from projector
	Visible Laser Curtain Alignment	- Visible light 650 nm - Optical power < 0.39 mW - Dot size at focus point 10 mm
	Whiteboard Non-planarity	<3 mm
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

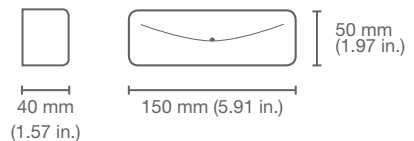
Projector

Weight: 5 kg
(11.02 lb)

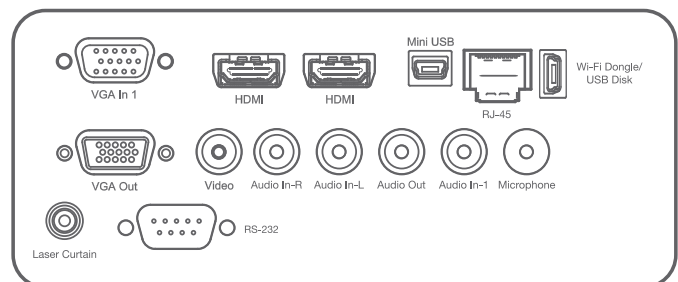


Laser Curtain Module

Weight: .35 kg
(.77 lb)



Connections



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