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, write, move, scale, and rotate, with up to 10 students working at the same time. All this, plus the reliability of lasers, which means no bulbs to change—ever.

Touch* capability is the 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 or change, and a 20-year laser lifespan.***

- Complete education solution—comes with easy-to-learn and easy-to-use MimioStudio™ classroom software.

- Software and MimioMobile™ 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 projection means no bulbs to change—ever.

- Analog and digital audio/video connections ensure compatibility with virtually any PC.

- Ethernet LAN connectivity for central management and control.

"[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

* Multi-touch works on Windows only.
** 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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MimioStudio software—so easy to use and engaging, your teachers will use it every day.

The MimioTeach™ interactive whiteboard includes the dynamic MimioStudio classroom software. It connects the Boxlight products, so using other tools—from the document camera to the pen tablet—is quick and easy. MimioStudio software allows educators to create interactive lessons and collaborative activities, and perform real-time formative assessment. **Take learning even further with our MimioMobile app, which brings group learning and collaboration to almost any device.**

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: ±5°
	Contrast Ratio (typical)	1,800:1 (10,000:1 high contrast)
	Color Reproduction	1.07 billion colors (R/G/B 10-bit)
	Color Uniformity	$\Delta u'v' \leqq 0.03$
	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)
Interactivity***	Touch Points****	10
	Calibration	Auto/Manual
	Laser Curtain Module	IR Laser 825 nm
	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.
**** Multi-touch works on Windows only.
*****Laser Curtain specifications only apply to touch model.

What's in the Box

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).

Support You Can Count On

We know how important it is to feel confident in the tools you use every day, so we make sure you can count on our products and service. We offer flexible training resources, our MimioConnect™ online educator community, and US-based in-house, dedicated product specialists. Email, chat, or call us 24/7/365 and we will be there to support you.

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