



P12 LTWH 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.



Features

- New – increased brightness! Now 4,100 lumens (was 3,700 lumens)
- New – corner pinning, speeds setup by making alignment “drag-and-drop!”

Specifications

Display	
Brightness	4,100 lumens (2,850 eco) NEW higher brightness!!!
Light Source	Laser Diode x 23
Laser Life (typical)	20,000 hours
Native Aspect Ratio	16:10
Native Resolution	WXGA 1,280 x 800
Image Size (diagonal)	85 in. - 115 in. / 216 cm - 292 cm
Keystone Correction	V: $\pm 5^\circ$, H: $\pm 5^\circ$, 4-Corner Keystone adjustment NEW – corner pinning!!!
Contrast Ratio (typical)	1,800:1 (10,000:1 high contrast)
Color Reproduction	1.07 billion
Color Uniformity	$\Delta u'v' \leq 0.03$
Projection Lens	f=2.4
Throw Ratio	Ultra-short throw of 0.27:1
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 (1 x MHL) Mobile High-Definition Link
Video Analog Inputs	- VGA x 1 - VGA in/out switched* x 1 - Composite x 1

Video Analog Outputs	- VGA x 1 (switched in/out)*
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	- 3.5mm x 1
Speaker	10 W x 1
Control	RS232 / RJ-45***
USB	Type-A female (media display)
Control	
LAN	- Standard using RJ-45 connector
LAN Control Protocols	- Crestron
Laser Curtain DC Power	3.5 mm
Service and Network	RS-232, RJ45, mini-USB
System Requirements	
OS Supported	- Microsoft Windows 7 / Windows 8 / Windows 10 (.NET Framework 4.0 installation is required) - Mac OS X v10.8 to 10.12
Processor Type	Intel Core™ i3 (Windows); Intel (Mac)
RAM	2 GB or More
Min. HDD Space	350 MB
Mechanical	
Mounting	Table/ceiling, front/rear **
Security	Kensington Lock >20 kg
General	
Power Supply	100~240V @ 50/60Hz

Power Consumption (typical)	Normal mode: 330 W ECO mode: 210 W Standby: < 0.5 W (LAN/RS-232/VGA out are off)
Fan Noise Max	Full mode : 36dBA (typical) / 38dBA (maximum) ECO mode : 33dBA (typical) / 35dBA (maximum)
Environmental	
Operating Temperature	5-40° C (41-104° F) non-condensing
Dimensions and Weight	
Product Dimensions	383 mm W x 103 mm H x 310 mm D (15.08 in x 4.06 in. x 12.2 in.)
Net Weight	8 kg (17.6 lb)
Packaged Dimensions	508 mm W x 330 mm H x 432 mm D (20 in x 17 in x13 in)
Gross Weight	9.3 kg (20.5 lb)
Safety	
Certifications	UL and FCC
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



What's in the box:

Hardware

- Projector
- Remote control with battery
- 2 Passive Stylus
- Laser curtain security bracket
- Laser curtain Module

Documentation

- Warranty
- MimioStudio Software License

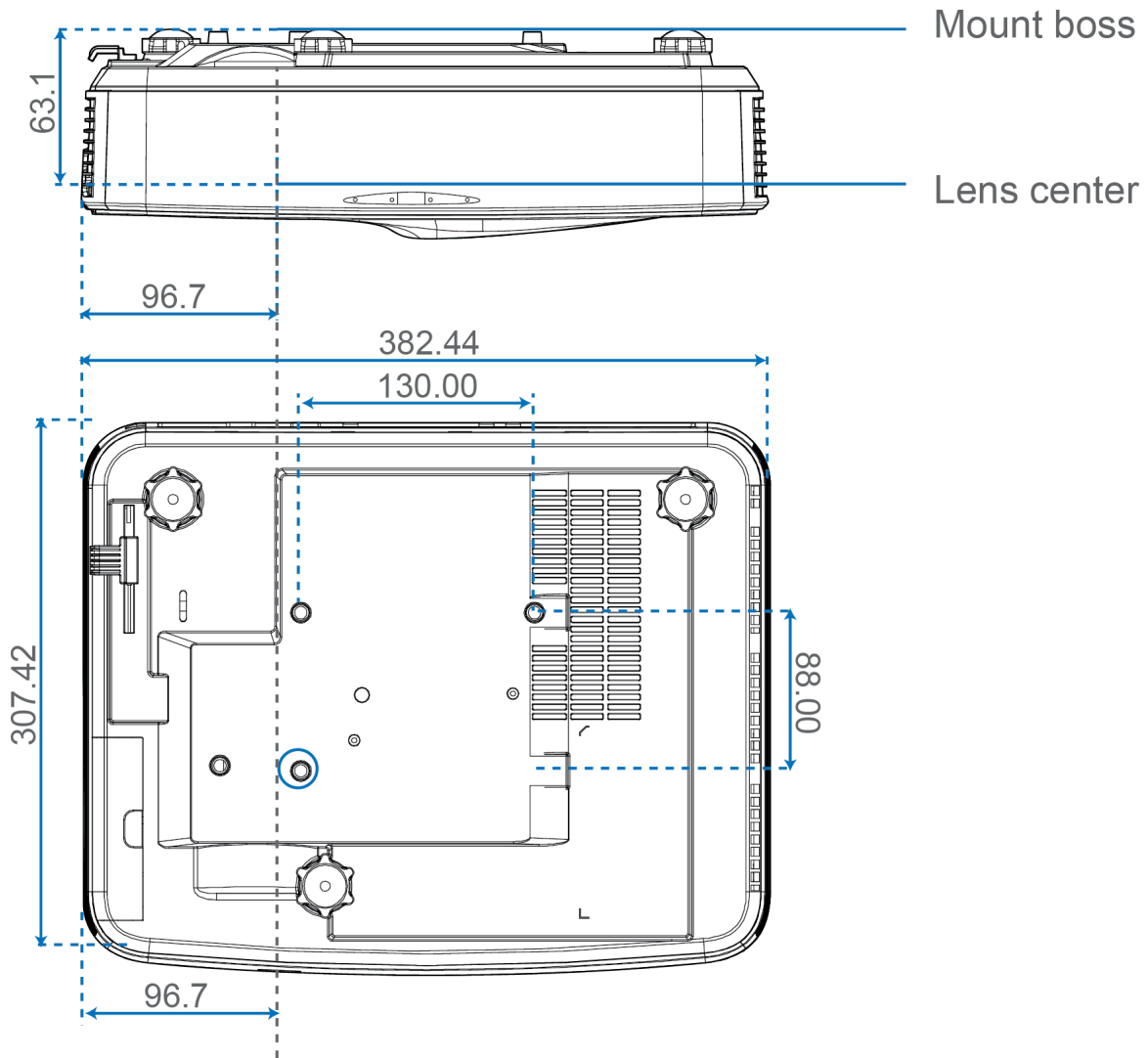
Cables

- AC power cord (4m)
- HDMI cable (5m)
- mini-USB cable (5m)
- DC Power cable for laser curtain

Options

- Wall Mount

Technical Drawings:



Specifications are subject to change without notice.

- * 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.