The ZH510T-B is a laser phosphor ProAV projector offering bright and vivid image quality, advanced optical components and a lightweight, compact size. The ZH510T-B touts an IP5X-certified, dust-resistant optical engine and a laser phosphor light source featuring 20,000+ hours of virtually maintenance-free operation with no need for lamp or filter changes.

The ZH510T-B 5400 lumens create vibrant, detailed images, filling a significant need in the mid-range ProAV category. Developed for maximum flexibility, this solid-state laser projector includes a fixed lens with horizontal and vertical lens shift, offering a unique 1.2-2.13 throw ratio and a digital zoom ratio of 1.8x, enabling it to cover a range of interchangeable lens capabilities and eliminating the need to change lenses or buy additional ones. It also features HDBaseT, allowing users to easily send and display audio and video files with a single cable.

The ZH510T-B streamlines integration with two built-in 10W speakers and a variety of inputs, including three HDMI ports and 2x built-in MHL. This fixed installation projector is a reliable, flexible and cost-efficient option, perfect for boardrooms, university auditoriums, museums and other mid-sized venues.
PROFESSIONAL INSTALLATION LASER PROJECTOR

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology  
Single DMD, 0.65" WUXGA DMD, DC3 DLP® Technology by Texas Instruments™

Color Wheel  
4 Segment RYGB, (B60 Filter Diameter 67mm)

Native Resolution  
1080p (1920 x 1080)

Maximum Resolution  
WUXGA (1920x1200)

Brightness  
5400 center and 5000 ANSI Lumens

Contrast Ratio  
300,000:1 (ExtremeBlack enabled)  
1,800:1 Full on/Full Off

Displayable Colors  
Graphic 10 bits, 1073.4 Million colors

Light source life up to  
Up to 20,000 hours

360 Degree & Portrait Mode  
Yes

Projection Method  
Front, rear, ceiling mount, table top

Keystone Correction  
±30° Vertical and Horizontal

Geometry  
4 corner adjustment

Uniformity  
85%

Aspect Ratio  
16:9 (native), 4:3, Auto

Throw Ratio  
1.2 – 2.13

Projection Distance  
4.3ft to 28ft (1.3m - 8.0m)

Image Size  
27.9" – 301.8"

Lens Shift  
Horizontal 10%, Vertical +20%

Projection Lens  
1.8x zoom

Audio  
10W Stereo

Noise (Normal/Eco dB)  
35dB Typical (480W) 29dB Eco (320W)

Remote Control  
IR and wired remote

Operating Room Temperature  
Operating: 41 – 104 °F

Power Supply  
AC input 90 – 264V, 50–60 Hz, with PFC input

Power Consumption  
480W +/- 15% Max (Bright), 320W +/-15% Max (ECO)

High Altitude  
Operating temperature 0 ft – 10000 ft at 5 – 40°C (41 – 104 °F)

Light source type*  
Laser Phosphor

OPTICAL/TECHNICAL SPECIFICATIONS (Continued)

Warranty

*3 year or 20,000 hour light source warranty (whichever comes first), 3-year Optoma Express advance exchange warranty on the projector.

In the Box (Standard Accessories)

ZHS10T-B projector, AC power cord, VGA cable, remote control, batteries, multilingual CD-ROM user’s manual, basic user manual, warranty card, USB to Micro USB cable

Optional Accessories

Universal ceiling mount, Optoma screen, wireless HDMI system, HDCast PRO - BLACK.

Accessory Part Numbers


UPC  
796435 44 090 9

*Buttons without description are not applicable to this model.

PHYSICAL SPECIFICATIONS

Security  
Kensington® lock port

Weight  
24.2 lb

Dimensions (W x H x D) (Without feet)  
15.75" x 5" x 16"