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

COMPATIBILITY SPECIFICATIONS

Computer Compatibility: UXGA, SXGA, XGA, SVGA, VGA, WXGA, WUXGA, Mac

Video Compatibility: SDTV / HDTV

3D Compatibility*: Full 3D 1920 x 1080p @24Hz

Vertical Scan Rate: 24–85Hz

Horizontal Scan Rate: 15.375–91.146KHz

User Controls: LAN, RS232, IR individually

I/O Connection Ports

Input: 3x HDMI (HDMI 2 Support MHL) 1 x VGA (D-Sub 15pin) (Computer In) 1 x HDBaseT 1 x Microphone in 3.5mm 1 x Audio in 3.5mm

Output: 1 x VGA Out (Support VGA loops through to monitor) (Monitor Out) 1 x Audio out 3.5mm

Control: 1 x RS232 (D-sub 9 pin) (PC Control) 1 x Wired in (3.5mm phone jack) (Remote In) 1 x 12V Trigger (3.5mm phone jack) 1 x USB type A (for WiFi dongle purpose) 1 x Mini USB (for LAN FW upgrade only) 1 x IR Receiver (On the Front side and Top side) 1 x RJ45 (LAN)

Loop Through (Audio): Yes

PHYSICAL SPECIFICATIONS

Security: Kensington® lock port

Weight: 24.2 lb

*Buttons without description are not applicable to this model.

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