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Optoma

124 Mega
pixel
Extreme

HD92.HD93
Super LED Projector
Superior Performance

home theater
PROJECTOR series





Enormous Pure Engine IV Generation

• Ultra Detail

Ultra Detail is a unique image processing algorithms and a dedicated image detail processor gives the impression of extremely high image quality without the artifacts associated with moving pixel systems. It analyzes the difference of characteristics and scene of each frame, then creates and combines extra 36 new frames with original 24 frames into a new 60 frames / Sec dynamic images, to create a "124 Mega extreme Pixel" image.



• Pure Motion

The technology provides advanced motion control processing that eliminates motion blurring or image judder, even in high-speed action sequences and 3D modes.



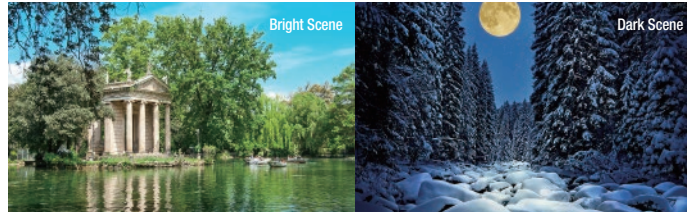
• Pure Color

Provides balanced colors for vibrant, vivid and natural images. Works in conjunction with the Color Management System ensuring precise control of the color reproduction.



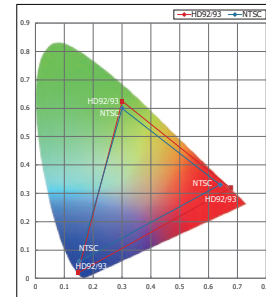
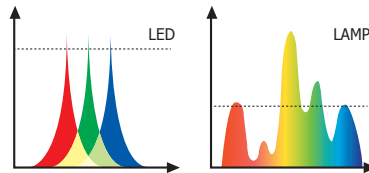
Dynamic Black IV Generation

Dynamic Black IV smoothly adjusts the lamp output automatically, based on the brightness information of each frame; to create a stunning contrast ratio. Bright scenes are crisp and clear, while dark scenes remain detailed with deep blacks which gives exceptional light and shade detail.



Superior LED Technology

LED technology delivers enhanced image quality with a wide color gamut, superior color saturation and outstanding brightness. The intense yet accurate colors produce an image of exceptional quality. Also LED technology provides consistent brightness and color performance, maintaining the high image quality throughout its lifetime. The brightness perception enables HD92/93 to comfortably render screen sizes higher than its ANSI brightness specifications would suggest. Also, this enables HD92/93 to handle low levels of ambient light with far less impact on image quality than lamp based systems.



Connectivity

1. HDMI x 2
2. VGA IN
3. Component
4. Composite Video
5. USB(Service)
6. +12V Relay x 2
7. Serial RS-232 for control
8. VESA 3D Port x 1
9. USB charging(5V/1.2A)



Real 2D to 3D Technology

Real 2D to 3D technology is measuring the timeline of each film and dividing image to multiple layers, in order to define the image to real 3D image, and solve the distorted situation. Offering an image more stereoscopic, eliminates motion blurring or image judder. 3D images can be more realistic and smooth, immersing yourself in your favorite 3D movie or video gaming.



Optoma Pure Lens

To fulfill the needs of super high definition, Optoma has developed two high quality Pure Lens, short throw and long throw lens; These two lens converge problems of chromatic aberration and optimize coating to remove the appearance of ghost and flare at any focal length; the lens can get sharper images, more specific details and color rendering. Also, the full lens shift function is making the installation more convenient.



	HD92	HD93
Display Technology	1080p DC3 DMD from Texas Instruments	
Native Resolution	1920 x 1080 (native on 1080i/p)	
Brightness	1500 ANSI	1200 ANSI
Contrast Ratio	600,000:1	
Image Size	50~150"	
Throw Ratio	1.22 ~ 1.52 :1	1.5 ~ 2.89 :1
Len Shift	± 60% vertical ; ± 10% horizontal	
Noise Level	23dB	
Light Source/ Life	Pure LED / 20000hrs	
Power Supply	Universal AC 100~240 volts, 50/ 60Hz	
Dimensions	360 x 480 x 160 mm	
Weight	6.5 kg	7 kg