

S2+ Optics Module for DMD Discovery™ 3000/4000 .7XGA

Description

The S2+ Optics Module is an important accessory for users that require a high quality projection component that matches the superior performance levels of the [Discovery D3000](#) and [Discovery D4000](#) control boards.

The S2+ is an ultra-compact module that consist of a [Carl Zeiss zoom](#) projection lens, illumination system with integrator, relay system, and an in-coupling mirror and fixture interface. This system is designed to provide the highest optical efficiency for the projection output, which can be regulated and adjusted via the zoom lens.

The S2+ Optics Module is designed to work seamlessly with the [DLi Optics Adapter](#). This versatile adapter allows for fiber optic light pipes of variable diameters to be connected to the S2+ and used as a light source. The S2+, when used in conjunction with the DLi Adapter and the user's fiber optics, will provide a projection solution ideal for the capabilities of the D3000 and D4000.

Specifications

Optical key parameters

Focus range	1.5 – 5 m (overdrive from 1m to 10m)
Zoom ratio	ZR = 1,16
F number	2,6 (wide) ... 2,9 (tele)
Throw ratio (distance to image width)	TR = 1,8 to 2,1
Projection offset	125%
Modulation Transfer Function (MTF)	45% ... 52% @ 36Lp / mm
Light efficiency	48% of light input in acceptance angle
Contrast	1900: 1 Full-On-Full-Off / 420:1 IEC
Uniformity	+25% / -30 % (IEC)
Image distortion	≤ 8 pixel Keystone; ≤ 2 pixel Barrel
Dimensions	65 mm (W) x 115 mm (L) x 44 mm (H)
Weight	300 g

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Delivery package

S2+ Optics Module

Ordering Details

DLi Part Number: ACC-S2

To purchase, please call Digital Light Innovations Sales at (512) 617-4713 or e-mail Sales@dlinnovations.com