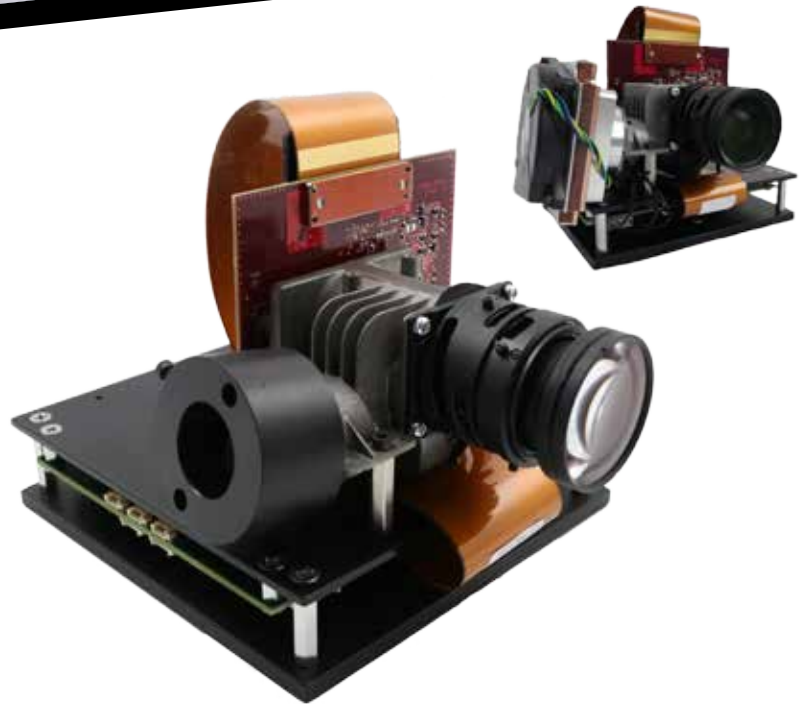


## KEY FEATURES & SPECIFICATIONS

- DLP® Digital Micromirror Device (DMD) Options
  - DLP6500FYE .65" 1080p Type-S DMD
  - DLP6500FLQ .65" 1080p Type-A DMD
- DLP® Support Chip
  - DLPC900 Digital Controller
- Resolution
  - 1920 x 1080 (1080p)
  - > 2 Million Micromirrors
- Pattern rates
  - 1-bit - 9,500Hz
  - 8-bit - 250Hz
  - 8-bit Grayscale Video - 60Hz
- 2 Configurable I/O triggers for synchronization with cameras and other external devices
- USB 1.1 / HDMI / DisplayPort
- DLP® LightCrafter™ 6500 Firmware & Software Bundle
- Compatible with all Windows platforms
- Illumination Configurations
  - Monochrome LED - Red, Green, Blue or UV (405nm)
  - Fiber (5mm or 7mm diameter)
- RAY-65 Optics Module (LED or Fiber)
- Size / Weight: 3.9lb / 7.9in x 7.9in x 6.7in



The **DLi6500 .65" 1080p Optics Bundles** are high-performance, flexible DLP® development kit solutions that include illumination and optics in a small, robust light engine package for a wide array of light steering applications. A DLi6500 .65" 1080p Optics Bundle consists of the **DLi6500 .65" 1080p Development Kit (Type-S or Type-A)** and the **RAY-65 Optics Module (LED or Fiber)**.

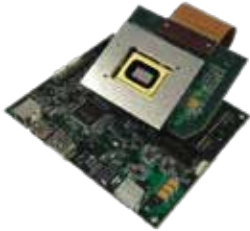
### INCLUDES:

- ▶ DLP® LightCrafter™ 6500 Controller Board
- ▶ DLP DMD & Support Chip
  - ▶ DLP6500 .65" 1080p DMD (Type-S or Type-A)
  - ▶ DLPC900
- ▶ DMD Board & DMD Hardware (Type-A only)
- ▶ DMD Board & Socket (Type-S DMD)
- ▶ Flex Cable
- ▶ DLP® LightCrafter™ 6500 Firmware & Software Bundle
- ▶ RAY-65 Optics Module (LED or Fiber)
- ▶ Power Supply & Cable / USB Cable / HDMI Cable / DisplayPort Cable / GPIO Cable / Trigger Cable / Driver Cable

# DLi6500

## RAY Optics Bundles

### BUNDLE BREAKDOWN



**DLP®  
LightCrafter™  
6500 Type-S  
or Type-A EVM**



**DLP®  
LightCrafter™  
6500 USB-based  
& Host GUI**

*free software and firmware downloads  
from Texas Instruments*



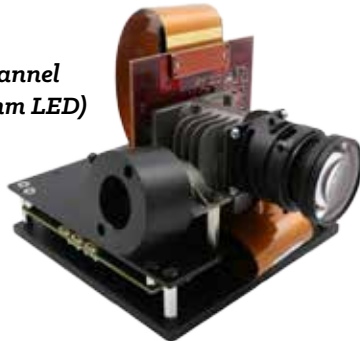
**RAY-65  
Optics Module**



**DLi Power Supply  
& Cable Kit**



**LED**  
*(uses a single-channel  
R, G, B, or UV 405nm LED)*



**Fiber**

**DLi6500 RAY LED or Fiber Optics Bundle**

### RAY-65 Optics Module **SPECIFICATIONS**

Aspect Ratio	16:9
Projection Width	130mm - 2000mm
Throw Distance	210mm - 3800mm
Throw Ratio	1.6 - 1.9
Projection Offset	110%
Brightness*	200 Lumens
Uniformity*	60%
ANSI Contrast*	450
FOFO Contrast	1000
Wavelength	420nm - 700nm (Type-S) 400nm - 700nm (Type-A)

\* 4x4 Measurement Grid

\*\* Green LED

\*\*\* Operating outside the wavelength range may result in lower performance and lifetime. No warranty is provided when DMD is used outside TI specified wavelength range.

**DLi** DIGITAL LIGHT  
*innovations*

**Your DLP® & Optics Partner • A Texas Instruments Authorized Design House**

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