

D4100 Development Kits

KEY FEATURES & SPECIFICATIONS

- DLP® Digital Micromirror Device (DMD) Options
 - DLP7000 .7" VIS XGA 2xLVDS Type-A DMD
 - DLP7000 .7" UV XGA 2xLVDS Type-A DMD
 - DLP9500 .95" VIS 1080p 2xLVDS Type-A DMD
 - DLP9500 .95" UV 1080p 2xLVDS Type-A DMD
- DLP® Support Chips
 - DLPC410 DMD Digital Controller
 - DLPR410 PROM
 - DLPA200 DMD Micromirror Driver(s)
- Resolution Options
 - 1024 x 768 (XGA)
 - 1920 x 1080 (1080p)
- Pattern Rates
 - 1-bit - 20Hz
 - 8-bit - N/A
 - Video - N/A
- USB 2.0
- Compatible with Windows platforms up to Windows 7

CONFIGURATIONS

- D4100 .7" VIS XGA Development Kit
- D4100 .7" UV XGA Development Kit
- D4100 .95" VIS 1080p Development Kit
- D4100 .95" UV 1080p Development Kit



The **DLP® Discovery 4100 Development Kits (D4100)** are entry level kits that provide access to all the basic capabilities for users wanting to understand the functionality of a DLP platform.

INCLUDES:

- ▶ D4100 Controller Board
- ▶ DLP DMD & Support Chips
- ▶ DMD Board
- ▶ DMD Mounting Hardware Assembly
- ▶ Flex Cable(s)
- ▶ Discovery™ Explorer Control Software & API
- ▶ Power Supply & Cable / Benchtop Cable



D4100

Development Kits

SPECIFICATIONS

Configurations	D4100 .7" VIS XGA Development Kit	D4100 .7" UV XGA Development Kit	D4100 .95" VIS 1080p Development Kit	D4100 .95" UV 1080p Development Kit
Control Board	DLP® Discovery™ 4100	DLP® Discovery™ 4100	DLP® Discovery™ 4100	DLP® Discovery™ 4100
DMD	DLP7000 .7" VIS XGA 2xLVDS Type-A DMD	DLP7000 .7" UV XGA 2xLVDS Type-A DMD	DLP9500 .95" VIS 1080p 2xLVDS Type-A DMD	DLP9500 .95" UV 1080p 2xLVDS Type-A DMD
Support Chips	DLPC410 DLPR410 DLPA200	DLPC410 DLPR410 DLPA200	DLPC410 DLPR410 DLPA200	DLPC410 DLPR410 DLPA200
Window Coating	VIS	UV	VIS	UV
Controller Software	Discovery™ Explorer GUI DLPC410 API	Discovery™ Explorer GUI DLPC410 API	Discovery™ Explorer GUI DLPC410 API	Discovery™ Explorer GUI DLPC410 API
Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1920 x 1080 (1080p)	1920 x 1080 (1080p)
Micromirror Pitch	13.6µm	13.6µm	10.8µm	10.8µm
Controller Interface	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Pattern Rates	1-bit - 20Hz 8-bit - N/A Video - N/A	1-bit - 20Hz 8-bit - N/A Video - N/A	1-bit - 20Hz 8-bit - N/A Video - N/A	1-bit - 20Hz 8-bit - N/A Video - N/A
USB Transfer Rate	1*fps	1*fps	1*fps	1*fps

*Typical value, can vary depending upon data compression ratio and PC used



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