
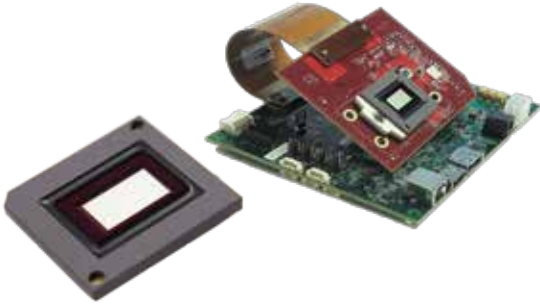
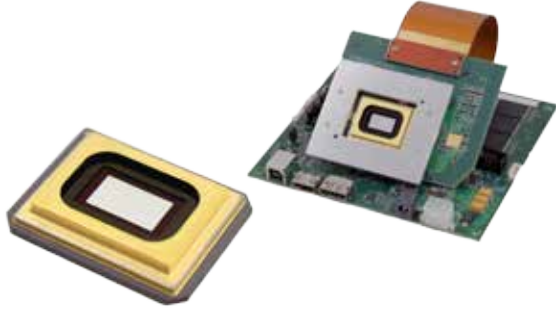


DMD/Chipset	DLP6500FYE .65" 1080p Type-S DMD DLPC900 Digital Controller	DLP6500FLQ .65" 1080p Type-A DMD DLPC900 Digital Controller
		
<b>Power Capacity</b>	- Lower power capacity; thermally limited*	- Higher power tolerance; thermally limited*
<b>DMD Package</b>	<ul style="list-style-type: none"> <li>- Ceramic DMD with encapsulation over the DMD active array that is permeable</li> <li>- Not hermetically sealed; DMD may be susceptible to external environmental conditions if proper steps are omitted</li> <li>- Corning Eagle XG material used for DMD window</li> <li>- Both Type-S and Type-A DMD window types have an anti-reflective (AR) thin film coating on both the top and the bottom of the window glass material; AR coatings reduce reflections and increase transmission efficiency</li> <li>- Package dimensions 35mm x 32.2mm</li> </ul>	<ul style="list-style-type: none"> <li>- Ceramic DMD that is hermetically sealed</li> <li>- Hermetic seal provides airtight protection from external elements</li> <li>- Designed to handle higher brightness levels and wider wavelength range</li> <li>- Corning 7056 material used for DMD window</li> <li>- Both Type-S and Type-A DMD window types have an anti-reflective (AR) thin film coating on both the top and the bottom of the window glass material; AR coatings reduce reflections and increase transmission efficiency</li> <li>- Package dimensions 40.64mm x 31.75mm</li> </ul>
<b>Mounting Concept</b>	<ul style="list-style-type: none"> <li>- DMD is mounted on to the DMD board via a socket soldered to PCB</li> <li>- Thru-holes available on DMD board for mounting user designed heatsink</li> <li>- A heatsink is not included in the DLI6500 Type-S Development Kit; its only included in the DLI6500 Type-S Optics Bundle</li> </ul>	<ul style="list-style-type: none"> <li>- DMD is mounted on to the DMD board using a mounting hardware assembly consisting of spring-loaded interposer, face plate &amp; heatsink</li> <li>- The mounting hardware assembly allows users greater flexibility to modify the heatsink or use of alternative thermal management solutions to meet their specific requirements</li> <li>- The heatsink is included in the DLI6500 Type-A Development Kit &amp; Optics Bundle</li> </ul>
<b>Wavelength</b>	- TI warranted from 420nm - 700nm	- TI warranted from 400nm - 700nm

\*see DMD datasheet for recommended operating conditions for additional information

## Texas Instruments (TI) References:

1. [DLP6500FYE .65" 1080p Type-S DMD Datasheet](#)
2. [DLP6500FLQ .65" 1080p Type-A DMD Datasheet](#)
3. [DLP® Series-600 DMD Mechanical, Thermal and System Mounting Concepts Application](#)
4. [Mounting Hardware and Quick Reference Guide for DLP® Advanced Light Control DMDs](#)