



DepthQ[®]

Polarization Modulator

*World's Fastest Polarization Switch for **3D** Digital Cinema*



***Fast
Stunning
Future-Proof
Polarized 3D Digital Cinema***



by Lightspeed Design, Inc.
www.depthq.com

For more information please call +1.206.784.1385

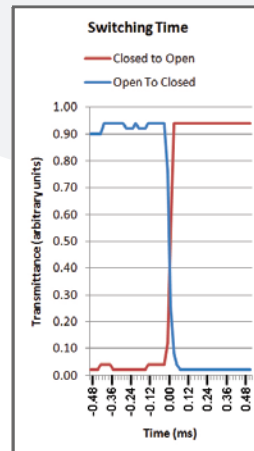
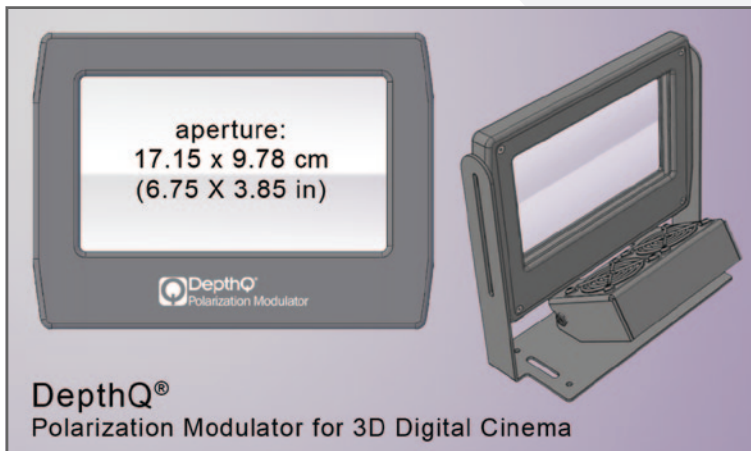
Details

Newly patented technology makes DepthQ[®] the world's fastest polarization switch for 3D digital cinema. With a powered, symmetrical **50 microsecond** switching time between the eyes, DepthQ[®] easily ensures bright, low-crosstalk operation - even at the upcoming 3D HFR (high frame rate) targets of **192 FPS, 240 FPS...and beyond**.

When combined with a silver screen, the DepthQ[®] Polarization Modulator allows your digital cinema projector to display stunning stereoscopic 3D films, viewable using inexpensive passive circular polarized glasses. Paired with projectors up to 30K Lumens, DepthQ[®] provides a spectacular 3D experience for screens up to 17.7m (58ft). To date, it has been successfully reviewed by executives from six major Hollywood studios and is listed on the Walt Disney Studios Motion Pictures Approved Equipment List.

- Bright, low-ghost 3D
- Crisp, sharp image
- Heat-tolerant
- With 30K lms, 3D screen sizes up to ~17.7 m (58 ft)
- Simple, easy to setup and use
- No moving parts - low cost/maintenance
- Compatible with standard polarized 3D glasses
- Patented, Future-proof
- Hollywood approved

DepthQ[®] matches all industry standards for image quality, brightness & polarization performance, and is compatible with all DLP projectors. Simply connect via the GPIO port on your projector and you're making GREAT 3D.



No time wasted switching eyes*



Two position actuator (included) allows your theater automation to quickly switch between 2D and 3D.

Specifications

DepthQ[®] Polarization Modulator

LC-Tec Displays AB U.S. Patent No. 8023052 B1

Aperture	17.15 x 9.78 cm (6.75 x 3.85 in)
Contrast/Ghost	>100 : 1 in each eye
Efficiency	~15%
Screen Size	Given 30K Lumens, 3D screen sizes ~17.7m (58ft)
Switching Time	50 µsec (symmetrical)*
Operating Speed	Up to 400 Frames Per Second (FPS)
	Easily supports new 3D High Frame Rates (HFR) of 192 and 240 FPS
Heat Protection	Metallic Pre-Polarizer (increases performance and lifetime)
Operating Temp	+5 to 52 deg C (40 to 125 deg F)
Actuator	Two-position relay closure for 2D to 3D switching

The DepthQ[®] Polarization Modulator is co-developed by **Lightspeed Design, Inc** and **LC-Tec Displays AB**.

The two companies have over 19 years of experience in their respective fields of stereoscopic design and liquid crystal manufacturing and development.

This projection technology is exclusively distributed by:



by **Lightspeed Design, Inc.**
1611 116th Ave NE, Suite 112
Bellevue, WA 98004 USA
+1.206.784.1385

www.depthq.com

*We're actually switching much faster than current DCI projectors' smallest adjustable dark intervals & frame rates. They need to catch up!