



DepthQ®

3D

PASSIVE POLARIZATION FOR 3D DIGITAL CINEMA

Fast, Bright, Reliable...
Quality you can Trust.





PASSIVE POLARIZATION FOR 3D DIGITAL CINEMA

DepthQ® 3D Passive Polarization products for Digital Cinema consist of our patented *best-in-class* **DepthQ® Standard** and our newly-patented high-brightness **DepthQ® CineBright™ 3D Light Recycler**.

FAST

With a powered, symmetrical 50 microsecond switching time between the eyes, both DepthQ® 3D products enable the world's shortest dark times - thus easily ensuring bright, low-crosstalk operation.

BRIGHT

When combined with a silver screen, DepthQ® 3D allows your digital cinema projector to display stunning stereoscopic 3D films, viewable using inexpensive industry-standard passive glasses.

RELIABLE

Advanced heat protection allows **unlimited lamp power** and a spectacular experience on large 3D screens. Novel, internationally patented designs³ and worldwide intellectual property insurance (CineBright™) provide peace of mind. DepthQ® 3D is currently installed in over 2500 theaters worldwide, and growing.

DepthQ® Standard produces an **optical efficiency of up to 19%²** and accepts a throw ratio as wide as .8:1.

DepthQ® CineBright's unique and novel design produces an **optical efficiency of up to 31%²** which combines with our super-fast liquid crystals to comfortably match or exceed the overall light efficiency of the polarized 3D market share leader. The system will accept a throw ratio as wide as 1:1 in Scope, and 1.45:1 in Flat.

 **DepthQ® CINEBRIGHT™**

 **DepthQ® Standard**



www.depthq3d.com

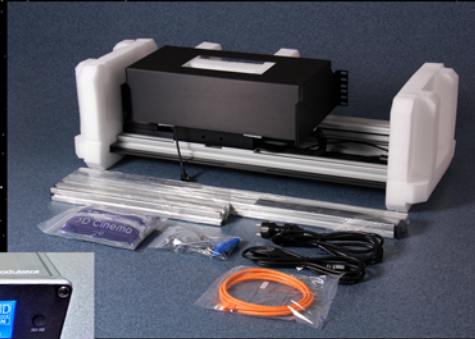
Quality you can Trust.

- ✓ Simple to install
- ✓ Solid-state switch
- ✓ NEW patented technologies
- ✓ Embraced worldwide
- ✓ Hollywood approved

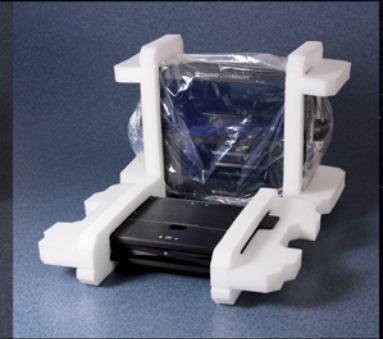
DepthQ® 3D ships with everything you need to install & deliver spectacular, studio-approved 3D cinema.



DepthQ® Standard



DepthQ® CineBright™



TECHNICAL OVERVIEW¹

DepthQ® 3D Technology Common Specifications.

Technology	Patent Protection ³	Max Lamp	Heat Protection	Switch Time	Dark Time	Contrast / Ghost	HFR	Installation Package	Automation	Warranty
TN High-Speed LC Modulator	US, EU, CA, KR, CN; Pend. in EU, CN	> 7 KW (unlimited)	Metallic Pre-Polarizer	50 µsec (symmetrical)	50-350 µs (use fastest available)	> 100:1 in each eye	YES to 240 Hz (and beyond)	Everything Included	YES Auto, External Signal, TCP/IP	5 yr Optical 3 yr Electronic

	Optical Light Efficiency	Min Throw Ratio SCOPE	Min Throw Ratio FLAT	Min Throw Distance	30,000 Lumens +		20,000 Lumens		15,000 Lumens	
					Max Width 4.5 FL	Max Width 6.0 FL	Max Width 4.5 FL	Max Width 6.0 FL	Max Width 4.5 FL	Max Width 6.0 FL
DepthQ® Standard	Up to 19% ²	.8 : 1	.8 : 1	None	19.2 m + (62.9 ft +)	16.6 m + (54.4 ft +)	15.6 m (51.3 ft)	13.6 m (44.4 ft)	13.6 m (44.4 ft)	11.7 m (38.5 ft)
DepthQ® CineBright	Up to 31% ²	1 : 1	1.45 : 1	11 m (36.1 ft)	24.3 m + (79.7 ft +)	21 m + (69 ft +)	19.8 m (65.1 ft)	17.2 m (56.4 ft)	17.2 m (56.4 ft)	14.9 m (48.8 ft)

Our Maximum Screen Width calculations are realistic targets which include additional typical losses, such as projector dark time, port glass and 3D color correction. They assume a 2.4 gain screen, 25% lamp brightness headroom, use of industry-standard inexpensive 3D glasses, and are cross-referenced against both Christie and Barco calculators.

TECHNOLOGY COMPARISONS

	DepthQ®3D	Pi-cell Liquid Crystal	Spinning Polarizer
Switching Time (100%)	50 microseconds	>500 microseconds	1,157 microseconds @ 144FPS
Possibility for Excess Ghost	No, faster than fastest projector dark time	Yes, slower than fastest projector dark time	Yes, slower than fastest projector dark time
Pre-Polarizer	YES, Metal on Glass	NO	NO
Uses Moving Parts to Switch	NO	NO	YES
Optimized for High Frame Rates	YES	NO	NO



¹ Specifications are subject to change.

² Your optical light efficiency will vary based on 3D glass manufacturer's product specifications.

³ US8023052 B1, US8184215 B2, US9494805 B2, US9693044 B2, EP2959341 B1, CA2907565 C, KR20130097158 A, CN104272182 A, EP2606398 A4, WO2014159767 A1, CN102725682 B.



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