



# 3D Polarizer



- Up to 400 Hz refresh rate
- 50  $\mu$ sec symmetrical switching time
- Less hardware than two-projector solutions
- Passive eyewear is inexpensive
- Plastic eyewear for MRI / MEG environment
- No vertical or horizontal parallax problems

## 400 Hz Circular Polarizer

### OVERVIEW

The DepthQ circular polarizer is driven directly by the PROPixx projector. Our custom driver ensures symmetric 50 microsecond switching times and minimal crosstalk at up to 400 FPS. Polarizer placement is straightforward as you simply place it in front of the projection lens. Passive 3D glasses are widely available in a variety of form factors, and most are 100% plastic, rendering them suitable for MRI environments. This solution is much simpler than trying to align superimposed left/right eye images, as is required when using dual projector setups.



Authorized Distributor



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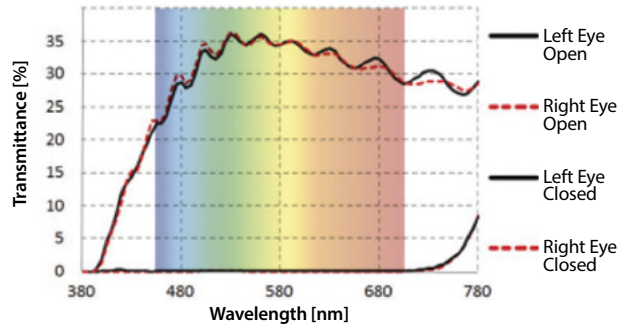


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# SPECIFICATIONS

Polarization type: Circular L/R symmetrical, neutral color  
Maximum number of frames per second: 400 FPS (400 Hz)  
Switching time: 50  $\mu$ sec  
Open transmittance: 32%

Completely symmetric operation between left and right eyes,  
with high extinction at all wavelengths for dark states



Polarized glasses: Glasses are circular and use a standard 0/0 orientation.  
Includes 4 pairs of passive glasses

Aperture size: 9.84 x 6.11 cm (3.875 x 2.41 in)  
Operating temperature:  $\pm 5$  to +52 deg C (40 to 125 deg F)

## 3D POLARIZER ADVANTAGES

- Single-projector solution eliminates possibility of geometric asymmetry between eyes
- No vertical or horizontal parallax problems
- Simple modulator placement - just set it in front of the projector
- No time consuming alignment of superimposed images required
- No moving parts
- Less hardware than two-projector solutions
- Does not require the use of a high power Infra-Red emitter
- Passive eyewear is inexpensive

## ORDERING INFORMATION

Description: 3D circular polarizing filter  
P/N: VPX-ACC-8060

