

# **Espedeo PM-2000A**

## **3D Polarized System and Polarized Glasses**

Perfect for realistic and fully immersive digital 3D movie experience



The Espedeo PM-2000A is a standalone 3D polarized system developed for digital cinema projectors supporting high frame rate (HFR) content in 48 and 60 frames per second per eye. The PM-2000A has multiple coatings that helps to project bright, clear images by precisely and efficiently varying the polarity of light passing through it to help eliminate ghosting. The PM-2000A is designed for easy operation by detecting 2D and 3D signals, which enables the system to shift corresponding working positions automatically.

The PM-2000A is suitable for a digital cinema projector installed on a pedestal. The stand can be adjusted from 750mm (29.5 inches) to 1,495mm (58.86 inches) to fit a projector with different height levels. It is slim and lightweight (less than 15kg; 33.07 pounds) for installing in different projection booths. The PM-2000A offers modular parts, a simple connection, and a fan-less design for easy installation and maintenance.

Combined with Espedeo passive 3D glasses, you'll experience vivid and lifelike 3D imagery with bright accurate colors.

# Specifications

3D filter size	186mm x 104mm (window size)
Luminous efficiency	≥ 30% (for Espedeo Supra-5000 Projector) 16% ± 1% (for other DCI-compliant Projectors)
Maximum screen size	18m (59ft) width
High frame rate support	48fps, 60fps per eye
Projector luminance	Maximum 33,000 lumens
Response speed/time	<0.15 milliseconds
Screen linear polarization ratio	>200:1
Power input	12V DC 1A (connected from 3D interface)
From power converter (optional)	
Power input	100-240V AC 0.2A 50/60Hz
Power output	12V DC 1A (through the synchronization cable)
Synchronization signal input	3D interface (15 pin)
Polarization type	Circular
Cross-talk rate	<0.5%
Operating temperature	0-50°C
Operating humidity	<60%
Dark time	650-850 μs
Output reference delay time	-120 μs



## Multiple coatings

- Anti-grease coating
- Anti-reflection coating- Boosts light efficiency
- Anti-scratch coating
- Metallic coating- Facilitates heat evacuation, and minimizes crosstalk
- Ultraviolet (UV) coating  
- Maintains light efficiency for a longer period of time

## Espedeo 3D polarized glasses

### Passive 3D polarized adult glasses

Espedeo LPG05-E



### Passive 3D polarized kids glasses

Espedeo LPG07-E (blue)



### Passive 3D polarized clip-on glasses

Espedeo LPG-08



Espedeo LPG06-E (yellow)



- High-quality circular polarized passive glasses work perfectly with Espedeo PM-2000A
- Ultra-lightweight and comfortable
- Delivers crisp and crystal-clear 3D images
- No battery required
- Available in adult, kid and clip-on versions