XPAND Passive 3D Polarization Modulator Gen2

The **XPAND Passive 3D Polarization Modulator Gen2** allows 3D DLP Ready projectors to project stereoscopic video. The latest in LC shutter glass technology is used so the best possible 3D experience with **high brightness and contrast** and **no flickering** can be shown. To use the projector as a regular 2D DLP projector, the **XPAND Passive 3D Polarization Modulator Gen2** can simply just be moved out of the way of the projector lens.

The **Passive 3D Polarization Modulator Gen2** has many **new** features:

- New and improved product design, best among comparable products in the market: compact, robust and impactive, yet retaining compatibility with XPAND Motorized Mount!
- **Added Network Connectivity:**
  - The system can be controlled and moved via macros on the server
  - The modulator can be configured by Configuration utility[1]
  - Service upgradable firmware
- Best and most **efficient integrated cooling** on the market – guaranteed extension of product life!
- **Washable air-filter** with easy access to filter tray.
- Innovative **dust blockage!**
- Individually callibrated and fine-tuned lens for **optimization of contrast, transparency and color!**
- Quality and performance test of each individual unit.
- Engineered, manufactured and assembled in EU!

The XPAND Passive 3D Polarization Modulator Gen2 is overheating safe!

[1]The XPAND Passive 3D Polarization Modulator Gen2 features a setup and configuration utility which can be used for changing advanced settings on the unit. The Modulator's default settings enable it to work out of the box so no configuration is required. However, based on the system with which the modulator is used, some settings may need to be changed to ensure desired operation.

Technical Specifications

Product Name	XPAND Passive 3D Polarization Modulator Gen2
Model Name	MS210C2
Active Area	210 mm x 135 mm (8.3” x 5.3”), dual pi-cell technology
Polarization	Circular Polarization (Circular Polarization Glasses)
Transmittance	40% (± 1%, may differ depending on the screen)
Efficiency	16% (varies with type of passive glasses used)
Response Time	< 1 ms
Input Stereo Sync Signal Frequency	24 Hz to 160 Hz, HFR support
Input Terminal 3D	GPIO 9 pin DB9 male connector. *Converter cables to DB15 and DB37 connectors commonly found on projectors are included.*
Input LAN	8P8C (RJ-45/Ethernet) Connector
“MOTION CONTROL” Output Terminal	Stereo (a cable with stereo or mono 3.5 mm plug can be used)
STATUS LED	LED Indication – Green
SYNC / 3D MODE LED	LED Indication – Amber
Weight	1.8 +/- 0.1 kg (app. 4 lbs) – accessories not included
Size	Window Module: 253 × 176 × 13 mm (10” x 6.9” x 0.5”) – Width x Height x Depth Control board with stands: 277 × 130 × 47 mm (10.9” x 5.1” x 1.9”) – Width x Height x Depth Base plate: 380 × 4 × 80 mm (15” x 0.2” x 3.1”) – Width x Height x Depth
Storage Temperature	-10 ~ 60 ºC (14 ~ 140°F) – noncondensing!
Operating Temperature	10 ~ 60 ºC (50 ~ 140°F) – noncondensing!
Material	Case Material (Main material): Aluminium
Colour	Black
Power Source	AC adapter 12 V/1A
Power Consumption	3D operation: 4.2 W 2D mode: 1.2 W