

SMART CRYSTAL™ CINEMA HORIZONTAL

Polarization modulator for passive 3D



Compact, easy & powerful

- Universal mounting bracket for simple installations
- In 2D mode, panel is safe from dust and impact
- Symmetrical mounting and convenient "boothless" set-up
- High quality 3D images for all seating positions
- System approved by major Hollywood studios
- Developed and optimized for High Frame Rate content (full comfort HFR)
- Best-in-its-class light efficiency (18%) with projectors up to 7kW
- Reliability assured with 3-year warranty and optional 2-year extension
- Designed and engineered in Europe



PERFORMANCE

Recommended installation

Projector type	D-Cinema 3xDLP
Maximum lamp power	7 kW / 32 000 lumens
Screen	Silver - 2.4 minimum gain
Compatible glasses	Passive glasses/clip-on (circular polarization)

Performance

Optical transmission	42%
Stereoscopic contrast	100:1
Technology	«Surface Switching»

COMPATIBILITY

3D projectors

DCI*	Yes
3xDLP	Yes
DILA (JVC, DreamVision, Wolf Cinema)	Yes
SXRD (Sony, Mitsubishi...)	No
3xLCD (Epson, Panasonic...)	No
Short focal length	Yes

3D sources

GPIO 37 (3D Cinema)	Yes
GPIO 15	Yes
BNC	Yes
VESA DIN-3	Yes (cable optional)

Frame rates

96 Hz HFR & Home Cinema 3D	Yes
120 Hz Sport HFR & 3D-Ready™	Yes
144 Hz Triple Flash 3D Cinema	Yes
192 Hz Dual Flash HFR	Yes
240Hz	Yes

* Barco, Christie, Cinemeccanica, Kinton, Nec
 ** 18% LEF with Volfoni Premium passive 3D glasses

SPECIFICATIONS

Optical

Active surface size	171 x 116mm
Residual light (LEF)	18%**
Dark time (90% Transition)	1200µs
Delay time	0µs

Power

Supply	110-240v AC 50/60Hz
Consumption	<40mA AC / 220V

Certification

CE	Yes
ROHS	Yes

Qualification

Disney	Yes
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Logistics

Operating temperature	+10°C to +50°C (50°F to 122°F)
Storage temperature	-5°C to +50°C (23°F to 122°F)
Relative humidity	from 20% to 80%
Product dimensions (LxWxH)	302 x 228 x 75mm (22.4 x 13.3 x 44.6 in)
Product weight	6 kg (13.2 lbs)
Warranty	3-year (optional 2-year extension)

PACKAGING

Composition

- SmartCrystal™ Cinema Horizontal
- Bracket
- Power cable
- BNC/BNC cable
- BNC/SUB-D37 cable
- BNC/SUB-D15 cable
- User guide
- Quick start

Weight and Dimensions

Packaging dimensions (LxWxH)	N/A
Packaging weight	N/A
Order reference	VPSP-05000

