

SMART CRYSTAL™ CINEMA VERTICAL

Polarization modulator for passive 3D



Full Comfort
HFR

The best quality image in passive 3D technology

- Quick and easy 15-minute set-up with all DCI-compliant projectors
- Easy to move from room-to-room on its 4-wheel track
- In 2D mode, panel is safe from dust and impact
- For silver screens with a base width up to 66ft (20m)
- High quality 3D images 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

Number of seats	N/A
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...)	Non
3xLCD (Epson, Panasonic...)	Non
Short focal length	Yes

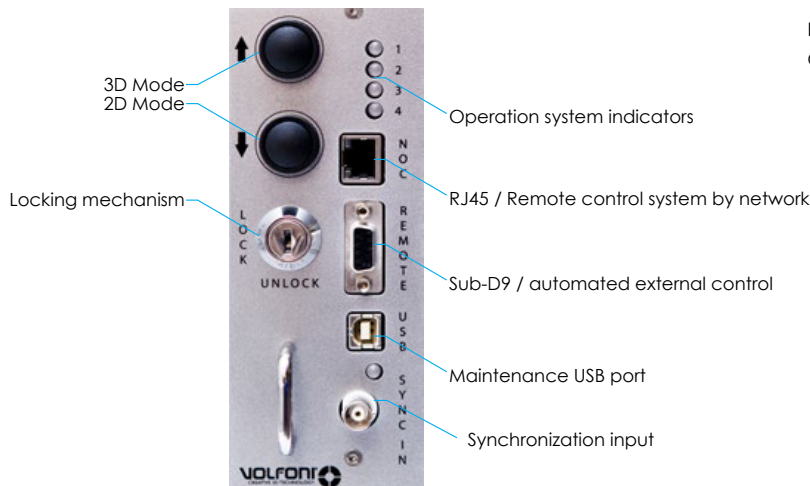
3D sources

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

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
240 Hz	Yes
Dual View Mode	N/A

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



SPECIFICATIONS

Optical

Active surface size	137 x 258mm
Residual light (LEF)	18%**
Dark time (90% Transition)	1200µs
Delay time	0µs or -1000µs

Power

Supply	110-240v AC 50/60Hz
Consumption	<100mA DC

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)	570 x 340 x 1133mm (22.4 x 13.3 x 44.6 in)
Product weight	45 kg (99.2 lbs)
Warranty	3-year (optional 2-year extension)

PACKAGING

Composition

- SmartCrystal™ Cinema Vertical
- European power cable
- US power cable
- BNC/BNC cable
- BNC/SUB-D37 cable
- BNC/SUB-D15 cable
- User guide

Weight and Dimensions

Packaging dimensions (LxWxH)	810 x 640 x 1040mm (31.8 x 25.1 x 40.9 in)
Packaging weight	51 kg (112.4 lbs)
Order reference	VPSP-02000