

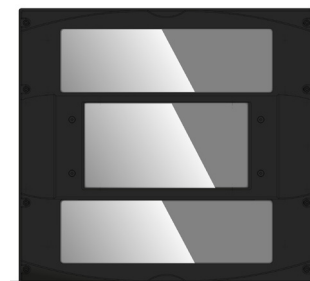
SMARTCRYSTAL™ DIAMOND

The first Triple Beam 3D Polarizer



Own the light

- Ultra-High Light Efficiency 3D System (28% LEF)
- Best 3D Quality and 3D Comfort
- Powered by our own Triple Beam Technology
- Fully HFR Compatible
- Fits smallest projection set-up
- Designed by Volfoni in France



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	70%
Stereoscopic contrast	100:1
Technology	Surface Switching Triple Beam

COMPATIBILITY

3D projectors

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

3D sources

GPIO 37 (3D Cinema)	Yes
GPIO 15	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
240Hz	Yes

* Barco, Christie, Cinemeccanica, Kinoton, Nec

SPECIFICATIONS

Optical

Light Efficiency Factor (LEF)	28%
Dark time (90% Transition)	800-1200µs
Delay time	0µs

Power

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

Certification

CE	Yes
ROHS	Yes

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)	282 x 263 x 105 mm (11.1 x 10.3 x 4.1 in)
Product weight	5.7 kg (12.5 lbs)

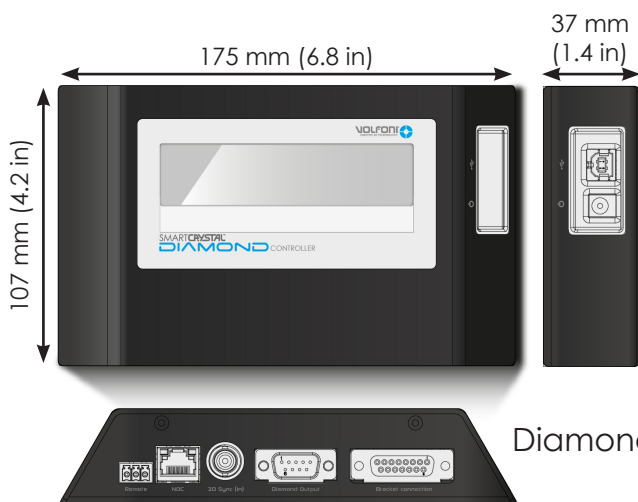
PACKAGING

Composition

- SmartCrystal™ Diamond
- Diamond Controller
- Power cable
- BNC/BNC cable
- BNC/SUB-D37 cable
- BNC/SUB-D15 cable

Weight and Dimensions

Packaging dimensions (LxWxH)	540 x 530 x 320 mm (21.2 x 20.8 x 12.5 in)
Packaging weight	10 Kg (22 lbs)
Order reference	VPSP-08000



Diamond Controller

www.volfoni.com

