

The Pufferfish

PufferSphere[®]XL

Technical Specs

PufferSphere Hardware

Base Unit Height	850mm
Base Unit Width	950mm
Base Unit Weight (w/projector)	Approx. 120Kg

Hardware	Dimensions/Specification			
Screen Diameter Inflatables	1600mm	2000mm	2500mm	3000mm
Screen Weight	3.7 Kg	5 Kg	8.4 Kg	12 Kg
Overall Weight w/ screen	123.7 Kg	125 Kg	128.4 Kg	132 Kg

Hardware	Dimensions/Specification			
Screen Diameter Hard Balls	600mm	900mm	1200mm	1500mm
Screen Weight	9.4 Kg	19.4 Kg	32 Kg	68 Kg
Overall Weight w/ screen	129.4 Kg	139.4 Kg	152 Kg	188 Kg

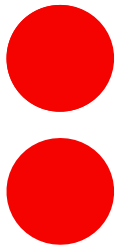
PufferSphere Spherical Screens	
Inflatable Screens	Seamless PVC Back Projection Sphere
HardBalls	High contrast acrylic screen with Filmscreen coating
Screen Colours	High Contrast Grey (+ options on request)
High Pressure DC Blower (Inflation Device)	90 - 264 V, 47 - 63 Hz

Optics System

Component/Feature	Specification
Lens	Pufferfish SuperUmami Lens (cropped SXGA+ 1050 X 1050)
Projector Quality	Barco CLM R10: SXGA+ with Sealed DLP Core
Projector Light Output	10,000 Center / 9,500 ANSI Lumens
Contrast Ratio	1,200 : 1 (Full Field)

Pufferfish Ltd, 252 Causewayside, Edinburgh, Scotland, UK, EH9 1UU
 www.pufferfishdisplays.co.uk hello@pufferfishdisplays.co.uk +44 (0)131 667 5864

Pufferfish[®] and PufferSphere[®] are Registered UK Trade Marks of Pufferfish Ltd. Registration Nos. 2445143 and 2445137.
 International PCT Patent Application No. PCT/GB2007/004564 has been filed for the PufferSphere and claims priority from GB 0623730.9.



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Minimum Text Pixel Size	13 Pixels
Lamp Warranty	750 Hrs
Lamps	4 x 300 W

Set Up Information

Viewing Distance	0 < 200+ metres
Orientation	Upright, Inverted or Wall Mounted
Rigging Method (for inversion, wall-mounted)	Via 4 x 14mm Eye-Bolts/Doughty Clamps
Set Up Time (unrigged)	Approx. 20 minutes
Set Down Time (unrigged)	Approx. 20 minutes
Inflation Time	Under 10 minutes
Operating Noise (Projector)	49 dBa @1m distance
Inflation Noise (Blower)	40 dBa @ 1m distance - silent once inflated

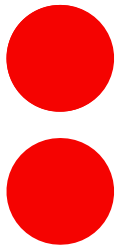
Video Input Connections	
DVI	Standard
5 Cable BNC	Standard

Projector Control Inputs	
Remote XLR (3 pin)	Standard

Blower Control	
Automated	Standard

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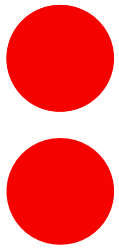
Power	
Projector Power Consumption	1.6 kWatts
Projector Line Voltage	100 - 240 V @ 50-60Hz
Projector Power Supply	13/16 Amp - as specified
Inflation Line Voltage	90 - 265 V @ 47-63 Hz
Inflation Supply	24 V
Power Requirements	Clean, stable power supply: no spikes. RCD Protected

PufferSphere Environmental Guidelines	
Wind Speed	Up to 20 Knots
Rain	Not to be used in rain without a PufferPoncho
Electric Storms	Do NOT use
Ambient Light	No direct sunlight. Keep to a minimum; the darker the better! Recommended 80 - 120 lux
Direct/Spot Lighting	No spots or directional lighting on the projection area
Screen: very cold temperatures (0°C >)	Nb may become inflexible or brittle
Screen: very hot temperatures (35°C<)	Nb may become misshapen
Screen Fire Certificate	Meets appropriate standards - please ask

Projector Environmental Guidelines	
Projector Operating Temperatures	0-40°C / 32-104°F

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Systems Integration

The PufferSphere XL is compatible with a wide range of media players, from laptop PCs to digital signage systems.

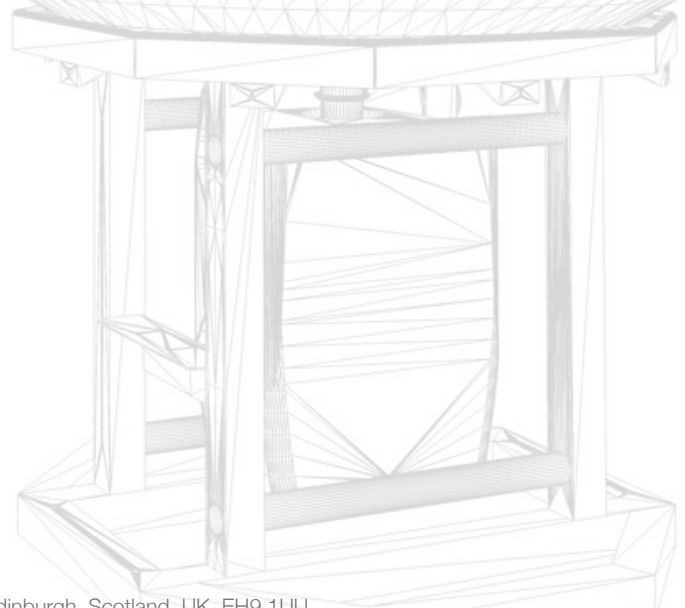
Pufferfish provide comprehensive systems integration consultancy and services, ensuring smooth, hassle-free integration of the PufferSphere with your existing/preferred systems.

Your media player should match the native resolution of the display's projector, this is 1400x1050. Lower output resolutions are compatible, but some deterioration of the image may occur.

Live Feeds and Realtime Systems.

The PufferSphere XL is fully compatible with a range of Media Servers, allowing the seamless integration and syncing of the PufferSphere with existing AV protocols.

Solutions for Green Hippo Hippotizer, Catalyst, Maxedia and others facilitate live feeds and the realtime updating and spherising of PufferSphere content, providing total flexibility in the development and integration of all types of media.



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