

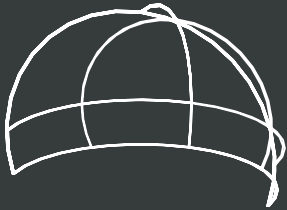
ASYMMETRICAL



PANORAMA



PORTAL



# Cobra Horizon®

Image showing OmniFocus™ optics combined with a 4m negative pressure panorama

## Introducing Cobra Horizon®

Where an immersive training dome environment is needed for more than one person, or a large simulation installation. A vehicle cockpit or exhibit for example. Using our **OmniMirror** optics or the **OmniFocus™** fish eye system. We offer maximum resolution on a large dome with the minimal number of projectors. Domes are available from 2-10 metres and from 45° to a full 360° field of view. **OmniBlend** is the multi channel configuration of our technologies. It can produce between 120° to a full 360° field of view to ensure the best possible immersive experience.

Many of our configurations are fully portable, offered with premium flight cases and are easily deployable. Removing complex and long installation times and costs. Combining clever and stylish design with solid engineering, **Cobra Horizon®** offers a truly breath-taking, immersive experience on a big scale. Research has shown that we learn through experience. Why not make it immersive?

### Cobra Horizon® Solutions

- Available in Panorama, Portal, Asymmetrical, Theatre or Full Dome screen shapes.
- Viewing and interacting with 4K immersive content.
- Demanding 4K immersive training and simulation.
- Professional simulation and training.
- Highly customisable, suitable for medical, military simulation training.
- Ultimate immersive experience, where frequency and latency matter.

Cobra Horizon®	Cobra Horizon® Pro	Cobra Horizon® Advanced
✓	✓	✓
✓	✓	✓
✓	✓	✓
	✓	✓
		✓
		✓

### Typical Uses

Our solutions are deployed all across the globe in projects ranging from simulation training to entertainment. Typical system uses cover sub-sea, maritime, land based, and aerospace trainers for simulation. With additional deployments in medical research, education, museums and events.

The **Cobra Horizon®** has as a proven track record in the industry. Over the years our network of partners has grown these include integrators, universities, exhibition designers and government organisations. Why not get in touch today? You can reach us at:

contact.cobra@cobrasimulation.com or +44 (0) 1506 634013

### Cobra Care:

**Cobra Horizon®** is best deployed with Cobra Care. Get a Project manager and experienced engineers for a care free installation and deployment:

- Project managed from day one.
- Thorough pre-install factory acceptance testing.
- Experienced system engineers for care free installation.\*
- Dedicated 10 day post-install support.






\* Project expenses for all installations are billed at cost plus 15%.



## Cobra Curved Display® Product Family




Introducing the Cobra Curved Display product family, a unique high quality range of immersive displays which support demanding high resolution content.


**Cobra Simulation®** design immersive dome projection solutions for the training simulation industry. The team specialise in deploying domes using OmniMirror or OmniFocus™ solutions combined with the optimum number of projectors. Resulting in a reduced cost of ownership over the life cycle of a project. This is complimented by content integration developers and a suite of applications to display many different types of media/applications within an immersive environment.

We work closely with our clients to design a solution that delivers on their project objectives. Up to 360° field of view, a choice of dome sizes across a range of material and deployment types. Research has shown that we learn through experience. Why not make it immersive?

Seamless High Quality Composite Domes			All Cobra AV and horizon domes come with a choice of optics & image generation hardware/ software				
Solution Bundle	Product Name	Diameter	Shape	Field Of View	Resolution	Material	Optics Options
Cobra AV®	1.8m Panorama	1.8m (6ft)		H150° V66°	5-11 pix(arcmin)	ABS	First Surface Mirror
Cobra Horizon®	Panorama	2m - 10m (7ft - 33ft)		H120° - H360° V75°	5-11 pix(arcmin)	GRP	- First Surface Mirror - OmniFocus™
	Asymmetrical	2m - 10m (7ft - 33ft)		H120° - H360° V120°	5-20 pix(arcmin)	GRP	- First Surface Mirror - OmniFocus™
	Portal	2m - 10m (7ft - 33ft)		H180° V120°	5-20 pix(arcmin)	GRP	- First Surface Mirror - OmniFocus™
	Full Dome	2m - 10m (7ft - 33ft)		H180° V180°	5-20 pix(arcmin)	GRP	- First Surface Mirror - OmniFocus™

Semi-Rigid Domes (Seamed) Negative Pressure			Negative pressure domes can typically be deployed within 1-3 hours				
Solution Bundle	Product Name	Diameter	Shape	Field Of View	Resolution	Material	Optics Options
Cobra Horizon®	NP-Panorama	3m - 7m (10ft -23ft)		H150° - H210° V75°	5-20 pix(arcmin)	Fabric	- First Surface Mirror - OmniFocus™
	NP-Portal	3m - 4m (10ft -13ft)		H180° V120°	5-20 pix(arcmin)	Fabric	- First Surface Mirror - OmniFocus™

Inflatable Domes (Seamed) Dual Pressure			Dual pressure domes can typically be deployed within 20-60 mins				
Solution Bundle	Product Name	Diameter	Shape	Field Of View	Resolution	Material	Optics options
Cobra Horizon®	DP-Panorama	4m		H180°	5-20 pix(arcmin)	Mixed	- First Surface Mirror - OmniFocus™
	DP-Portal	3m 3m deep		H180°	5-20 pix(arcmin)	Mixed	- First Surface Mirror - OmniFocus™
Cobra Theatre®	DP-Theatre	6.5m - 8m		Upto H240° Upto V135°	Custom	Mixed	- OmniFocus™

Projection Globes			All globe systems will require either a ceiling mount or desktop/ floor stand enclosure and come with a choice of optics & image generation hardware/ software				
Solution Bundle	Product Name	Diameter	Shape	Field Of View	Resolution	Material	Optics Options
Cobra Globe®	Globe 600, 760, 900, 1200, 1500	600mm - 1424mm		360°	0.9 Mpix 5.1 Mpix	Acrylic	- OmniFocus™

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