

Cetus™

Maritime Simulation Visual Display Systems



3D perception offers a catalog of turn-key, preconfigured Northstar™ visual display systems developed for specific domains.

Cetus systems are seamless front-projected, high-resolution, wide field of view cylindrical or spherical displays, designed for maritime simulator applications. Cetus systems have been delivered for the following sites and customers:

- | | |
|-------------------------------|------------------------|
| Kalmar Sweden | PMMA Philippines |
| Bulgaria Maritime | Semarang Indonesia |
| Simac Denmark | K-Line Philippines |
| Alaska Vocational College | Portuguese Navy |
| Cork Ireland | Fremantle Australia |
| South Africa Maritime | MSC Norway |
| Scandlines Puttgarden Germany | Ålesund Norway |
| Venezia Italia | Danish Navy Copenhagen |

3D perception is the proven leader in innovative simulation display product development and turn-key system design, fabrication, and delivery. Serving worldwide defense contractors and aerospace customers since 1997 with an international force of engineers, installers, project managers, and support staff, 3D perception ensures seamless focused performance.

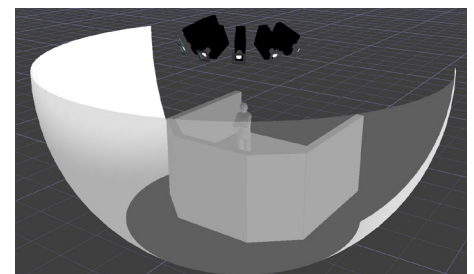
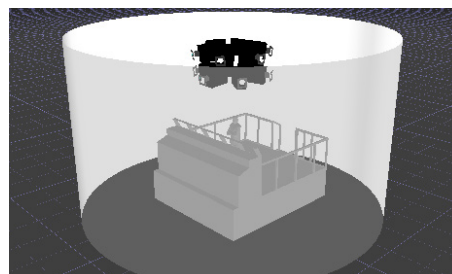
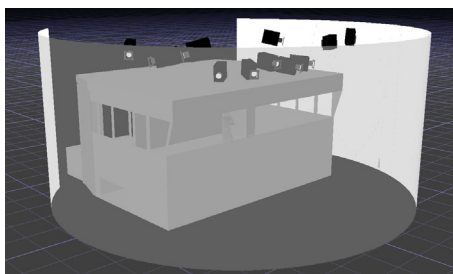


OVERVIEW			SCREEN				PERFORMANCE		
SYSTEM	CONCEPT	DIMS L x W x H	RADIUS	HFOV	+VFOV	-VFOV	RESOLUTION	BRIGHTNESS	CONTRAST
Cetus B360	Main Bridge - Cylindrical	5 x 5 x 5.3 m	4.6 m	360°	+30°	-30°	3.3 arcmin/OLP	15 Ft L	10:1
Cetus B300	Main Bridge - Spherical	11 x 12 x 6 m	5.79 m	300°	+15°	-44°	2.9 arcmin/OLP	13 Ft L	10:1
Cetus B270	Main Bridge - Cylindrical	10 x 12 x 5.5 m	6 m	270°	+25°	-25°	4.5 arcmin/OLP	15 Ft L	10:1
Cetus B220	Main Bridge - Spherical	8.5 x 7 x 7 m	6.4 m	220°	+15°	-32°	2.8 arcmin/OLP	11 Ft L	10:1
Cetus W220	Bridge Wing - Spherical	9 x 6 x 5 m	4.57 m	220°	+15°	-32°	3.3 arcmin/OLP	17 Ft L	10:1
Cetus G180	Weapons Station - Cylindrical	2 x 4 x 4 m	2.25 m	180°	+32°	-32°	4 arcmin/OLP	40 Ft L	10:1

Performance stated as averages, dimensions are approx, specifications subject to change

Features

- Proven and mature 3D perception Northstar™ platform
- Industry-leading autocalibration via Aurora™ sensor-instrumented screen
- Eclipse™ dynamic optical blenders for optimal image at any time of day
- Scenario management for time of day, NVG, eyepoint locations, etc.
- IG independent image processing and autocalibration architecture
- Centralized system control including full projection control
- Adaptable configurations to meet program requirements
- Custom design and fabrication, upgrades, and technology refreshes



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POWERED BY 3D PERCEPTION'S
NORTHSTAR™
 SIMULATION DISPLAY SOLUTION

- DISPLAY PROCESSING & MANAGEMENT
- PROJECTION & IMAGE OPTIMIZATION
- AUTO-ALIGNMENT & CALIBRATION

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