

Desktop Ship Simulator



Buffalo Computer Graphics (BCG) now offers an all inclusive Desktop Ship Simulator package with Navigation equipment that meets the standards as described in IMO ECDIS Model Course 1.27 as well as the IMO courses for radar or ARPA training 1.07 and 1.08.

The system represents the integration of proven BCG products with high quality third party software for a complete desktop simulator which features: a single channel visual display, an IMO approved ECDIS, an ARPA radar, Ownship steering controls, and conning display. The system is delivered with all computer, display, and network hardware required, and all software installed, configured and tested.

Additionally, BCG provides an instructor control station which uses our Maritime Simulation Tool (MaST) software, and includes required computer, monitor and network hardware for a complete classroom configuration. This workstation provides complete control over the training environment and will support up to 32 student stations.

The Desktop Ship Simulator is modular in design allowing for system growth as your training requirements increase. The customer has their choice of radar model, ECDIS manufacturer, steering control software and visual databases. Based on these choices each system is built according to the user's budget and training requirements. The simulator is delivered as an integrated and tested system based on the number of student stations purchased. With this network-based design, additional student stations may be easily added at any time.

BCG offers a range of options for each of the system components allowing the user to build a system that can be grown and tailored to their budget.

Features:

- > **Single Channel Visual**
- > **IMO Approved ECDIS**
- > **ARPA Radar**
- > **Ship Steering Controls**
- > **Conning Display**
- > **Modular design for low cost & easy expansion**
- > **Scalable to meet any budget**
- > **Turn-key solution including all hardware**



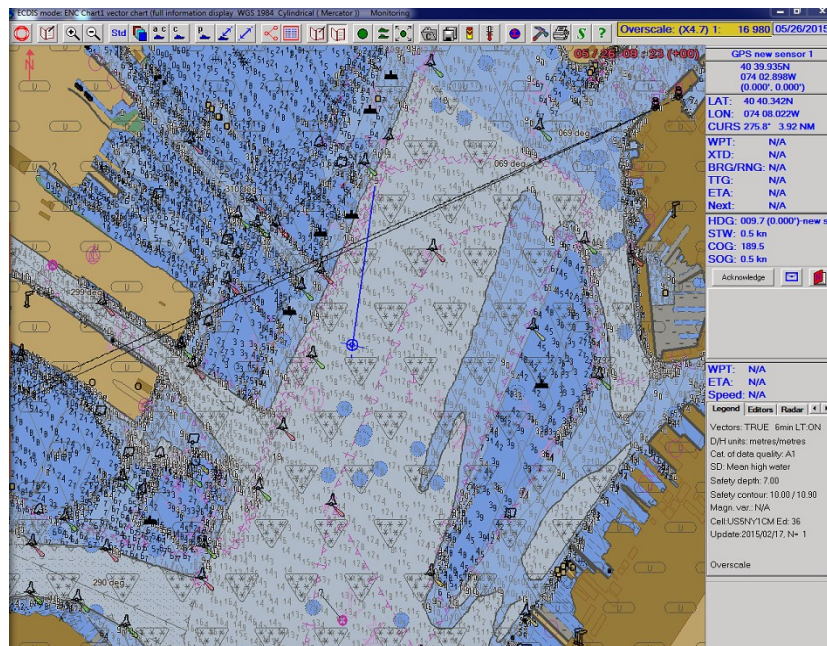
Visual Channel

- 40° Horizontal Field of View
- Choice of 3 visual databases
- Includes 10 vessels types
- Pan and zoom capability
- Expandable to 3 channels
- Day/night lighting
- Sounds effects

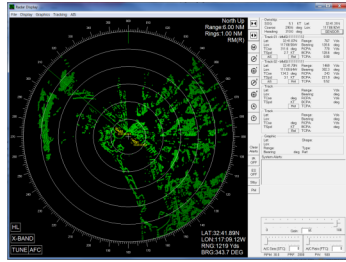


ECDIS

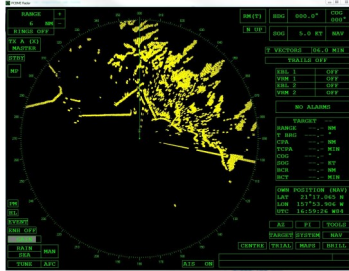
- IMO Approved ECDIS Software
- Choice of ECDIS manufacturers
- Radar Overlay available
- Integrated with radar for target track reporting
- AIS symbols and data are supported



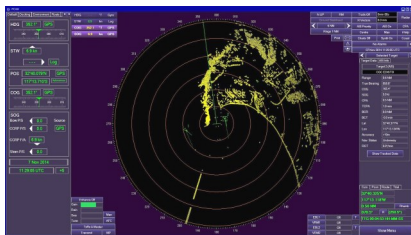
ARPA Radar Options



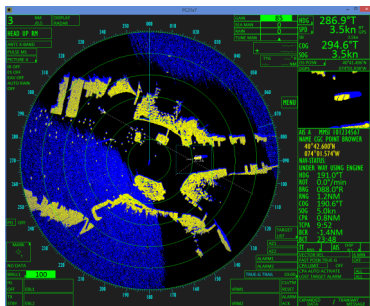
PCRadAR—basic radar emulator



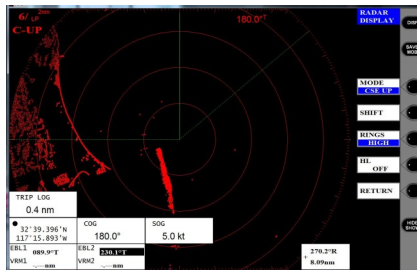
PCBME—modeled after the Sperry BridgeMaster-E



PCVM—modeled after the Sperry VisionMaster

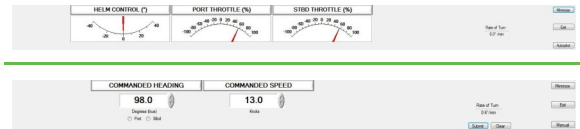


PC21X7—modeled after Furuno's FAR-21X7



PCRD—emulation of Furuno's RDP-139

Ownship Steering Options



Basic Virtual Steering Controls (VSC)



Virtual Steering Stand (VSS)



Tabletop Steering Console with separate Conning Display



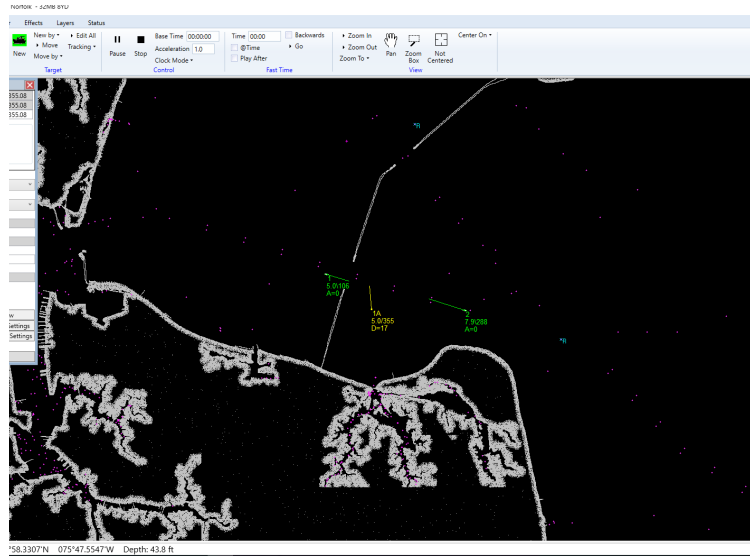
Deck Stand Steering Console

Maritime Simulation Tool (MaST)

As part of the Desktop Ship Simulator package, BCG will deliver a workstation with our Maritime Simulation Tool (MaST) software.

The MaST software utilizes BCG's 30 years of experience in maritime simulation to provide the user with an easy to use and thorough interface for controlling a training scenario. The MaST can control up to 32 Ownships and at least 100 moving or stationary targets.

In addition to controlling Ownship and target motion, Mast allows control of: environmental conditions, operating radar parameters, vessel handling characteristics, scenario timeline, and geographic location for all entities. Full AIS support is included with the MaST Application.

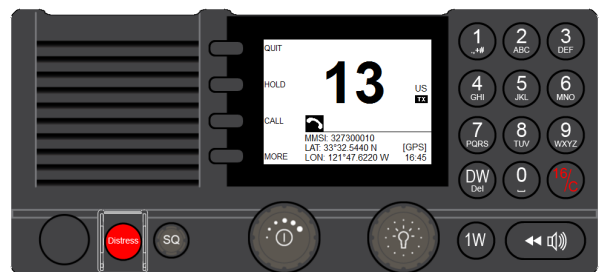


OPTIONAL ITEMS

- GMDSS Simulator
- VHF or MF/HF Radio for bridge-bridge voice communication
- Larger monitor(s) for the visual display
- Customized training scenarios
- Extended Warranty
- Onsite Installation and Training Support



Virtual GMDSS Simulator



VHF Radio for bridge-bridge communication

Contact BCG for information and pricing on our full line of Maritime Simulation products.