



## EchoSim

As modern radar systems migrate to a more network centric design, Buffalo Computer Graphics offers our simulators with a Furuno EG3000 network interface. BCG's EchoSim operates in place of a real Furuno radar scanner to deliver a simulated radar image to a real Furuno radar display or an electronic chart display and information system (ECDIS). It also processes control messages for settings such as standby/transmit, range scale, pulse width, gain, FTC and STC filters, X-Band/S-Band modes, echo stretching, interference rejection, blanking sectors, as well as maintaining tracked targets that come from the display while performing automatic ARPA processing.

EchoSim is integrated with our high fidelity radar image generation engine and our Maritime Simulation Tool (MaST) operator interface to provide a solution that offers superior radar simulation. EchoSim may also run simultaneously with other BCG products for those instances where a user has the need for both real radar, charting, ship controls and our radar emulation products.

Using MaST, an operator can create and control different training and testing scenarios as a Standalone controller. EchoSim can also be controlled by another training system in a Slave configuration allowing the BCG radar to be integrated into larger systems.

BCG's current radar simulation efforts including 3D rendering of radar images using our stimulators (PCS-3xx), our simulators (one being EchoSim) and our radar emulators (multiple offerings). Each product provides full NMEA-0183 support, Automatic Identification System (AIS) simulation, Slave interface capability, and integration with charting systems. Contact BCG for information on all of our Maritime Simulation Products.

### Features

- > Windows-based radar simulation software.
- > Usable for radar or radar overlay stimulation.
- > Can be used for training or testing purposes.
- > Can be used simultaneously with other BCG radar products or emulators.
- > Supports common radar scanner control messages.
- > Handles up to 100 tracked targets at a time.

**BCG is committed to support and promote Maritime Systems in all aspects of their business.**