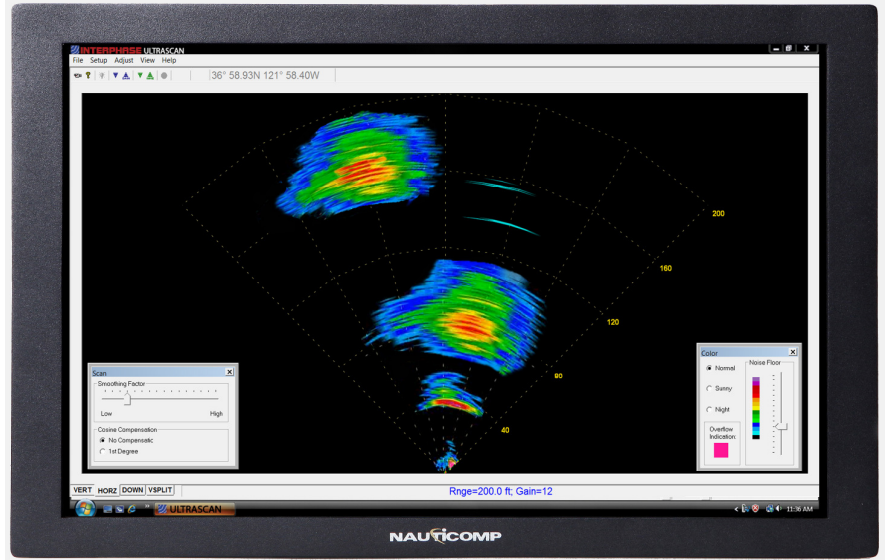


Forward Looking Sonar at the Speed of Sound

ULTRASCAN PC90™

- ◆ **Super Fast, Movie-Like, High Resolution Imaging**
- ◆ **Revolutionary New Digital Beamforming**
- ◆ **Multibeam—For Instant Scan**
- ◆ **Scans Vertically, Horizontally and Downward**
- ◆ **Locate and Track Moving Schools of Fish and Bait**
- ◆ **Instant Visual Feedback When Navigating Dangerous Waters**



INTERPHASE ULTRASCAN
SARDINE SCHOOLS IN FORWARD HORIZONTAL SCAN

Interphase introduces a major breakthrough in scanning sonar technology. The all new Interphase Ultrascan PC90™ uses advanced digital signal techniques to create high resolution, forward looking underwater images at the speed of sound. The result is astounding movie-like, streaming video images that show movement of fish, schools of bait, and provides near instant feedback when navigating narrow channels, around rocks, reefs and other underwater obstacles.

Mechanical scanning sonars typically take several seconds to scan a 90-degree segment, and recent "real time" sonars take between one and two seconds to scan over 90-degrees. Interphase's new Ultrascan PC90™, uses a unique phased array transducer, with no moving parts, to simultaneously form multiple beams across a 90-degree segment. On the 100ft range, Ultrascan displays a complete 90-degree forward scan 24 times every second. Easy to install, Ultrascan's fixed transducer requires no hoist or expensive sea chest. Don't miss the action while waiting for a slow scan to update the display.

The super-fast Ultrascan PC90™ shows a live image, just like familiar medical ultrasound images. With Interphase's Ultrascan you'll see underwater action unfold as it happens—not after it's over and gone.

Captains can use the forward looking side-to-side horizontal scanning pattern to navigate in shallow areas or, in deeper water, to locate and track moving schools of fish and bait. Then switch to the forward vertical mode to view changing bottom conditions ahead or warn of obstacles directly in the vessels path. The Ultrascan PC90™ also features a full screen or split screen conventional down-looking mode to show the area directly beneath your boat and provide a historical display of the depths below.

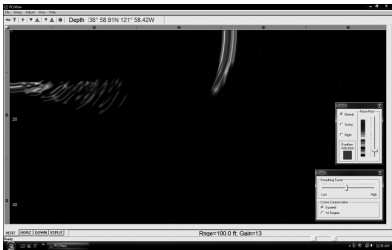
Complete with forward ranges to 1,200 feet, depths to 600 feet, auto-range, auto gain, forward alarms and many other advanced features.

Be the first to own this amazing technology, contact your favorite dealer or Interphase today!

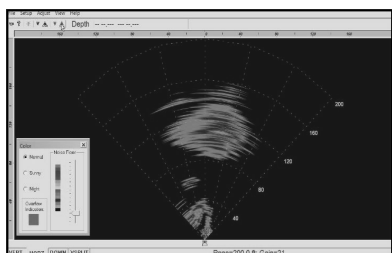
NEW FAST FORWARD LOOKING SONAR

INTERPHASE ULTRASCAN PC90™

Interphase's new Ultrascan PC90™ is a full 32-bit multi-tasking application that can work simultaneously with other popular marine software. Now you can use your PC to display your position on your favorite chart program while scanning forward underwater looking for shallowing conditions, bottom structure or underwater obstructions with both displays on the same screen at the same time!



Above window shows full screen vertical scan mode with several adjustment dialog boxes open beside the main window. Picture shows bottom at approx. 12ft depth and a sea-wall at approx. 100ft forward.



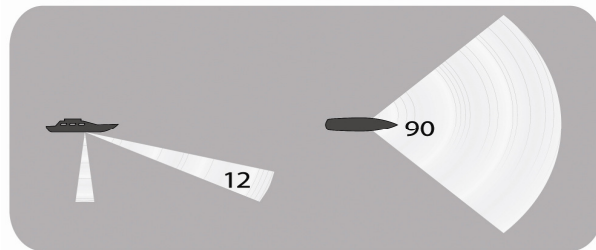
Horizontal View Showing Moving School of Sardines 80ft Forward of Vessel Shown with Color Noise Floor Control open.

Ultrascan PC90™ Vertical and Horizontal Scan Coverage

Vertical Scan



Horizontal Scan



Powerful Features and Built to Last

- Ultra Fast—up to 24 FPS on 200' range
- 4 Power Outputs—from 100 watts to 1.6 kW RMS
- Bottom Depths to 600 Ft.
- Scanning Beam: 12° (width of beam approx. 20 ft. at 100ft. distance)
- 16 Colors—to indicate signal strength
- Connects to PC via Ethernet.
- Power and Data LED's
- Can Work With Existing Interphase Scanning Transducers
- TVG - Time Variable Gain Receiver
- POWER: 10 - 35 VDC @ 0.5Amp

Ultrascan PC90™ Software Features

- Hi-Resolution Display Capability
- Vertical and Horizontal Scan Displays
- Forward Range Alarms
- Full and Split Screen Displays
- Automatic or Manual Gain and Depth Adjustments
- US, Metric and Nautical Display Modes
- Maximum Forward Range: 1,200 feet
- Maximum Bottom Depth Range: 600 feet

- Connects to PC via Ethernet.
- Capture display mode

MINIMUM SYSTEM REQUIREMENTS

1Ghz Pentium, > 100MB Free HD space.
DirectX Graphic Capabilities
RJ 45 Ethernet port
WIN XP or Vista Operating System
CD-Rom Drive to Load Software

