



BROCHURE

ECHOPiLOT

NEW

## Forward Looking Sonar FLS 3D

Daniamant design and manufacture all of our products in line with the relevant worldwide approvals, technical specifications, current legislation and International directives.

Our mission is to achieve World class performance through partnerships with our suppliers, customers and employees, providing products and services that enhance the safety and security of our customers.

### Daniamant products cover 12 key areas:

- Lifejacket Lights
- Liferaft Lights
- Lifebuoy Lights
- Intrinsically Safe Lights
  - Special Lights
  - LED Flares
- Forward Looking Sonars (FLS)
  - Bridge Navigational Watch Alarm System (BNWAS)
  - Salinometers
  - Oil Level Alarm
  - Electronic Inclinator
- Agency for a range of world-renowned safety product brands (supplied to the Danish market)

### Further Information

For further information on our products, please see our website: [www.daniamant.com](http://www.daniamant.com)

**Daniamant**  
Be safe at sea

### Introduction

Daniamant is proud to present a new range of Forward Looking Sonar (FLS). The EchoPilot 3D is the latest development of the well proven patented Echopilot Forward Looking Sonar, displays a 3 dimensional representation of the underwater scene ahead of the boat.

The seabed terrain and potential hazards are shown, for the first time, with unparalleled realism. This is a real time sonar image of what is actually ahead of the boat, not a chart rendered into 3D.

Twin retractable transducers ensure complete forward coverage whatever the hull form. The view ahead is 60 degrees in the horizontal plane and over 90 degrees in the vertical plane and the forward range is up to 200 m.

The screen updates every 1 to 2 seconds depending on the range setting. Available as a black box the 3D FLS outputs include HDMI and VGA (S- and Composite Video and DVI output optional with converter stick) for a full colour picture on a wide range of compatible displays.

### Features

- 5" and 10" transducers and skin fittings available
- Real time system
- Screen updates every 1 to 2 seconds (depending on range)
- 200m forward range
- 100m depth range
- 200KHz frequency
- Twin retractable transducers
- Multiple display options
- Outputs: HDMI, VGA
- Optional Outputs: S- and Composite Video and DVI with converter
- Colour coded depth
- Multiple display viewpints
- Ethernet style transducer connection (allows data cable of up to 150m)
- Beam width 90 degrees (vertical plane)
- Beam width 60 degrees (horizontal plane)
- 12 or 24v operating voltage
- Full HD capable



Visual Processor



Transducer Interface



Transducers  
Port & Starboard



Keypad

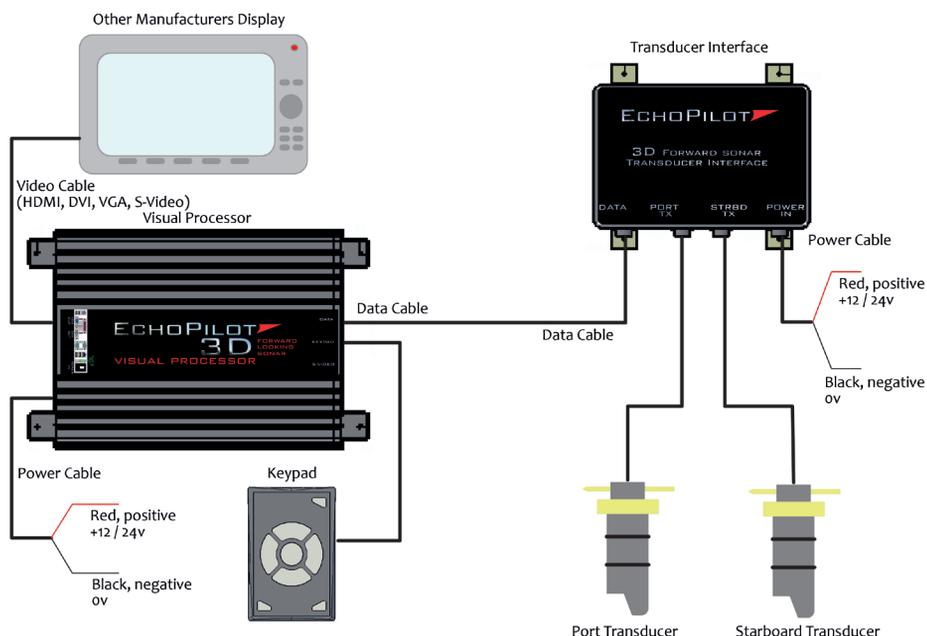
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## Overview



## Standard Kit

- Visual Processor
- Transducer Interface
- 2 x 5" Transducers with 2 meter cable
- 2 x 5" Bronze Skin Fitting
- Keypad
- Power Cable
- VGA Cable
- Transducer Extensions Cable, 10 meter

## FLS 3D Visual

