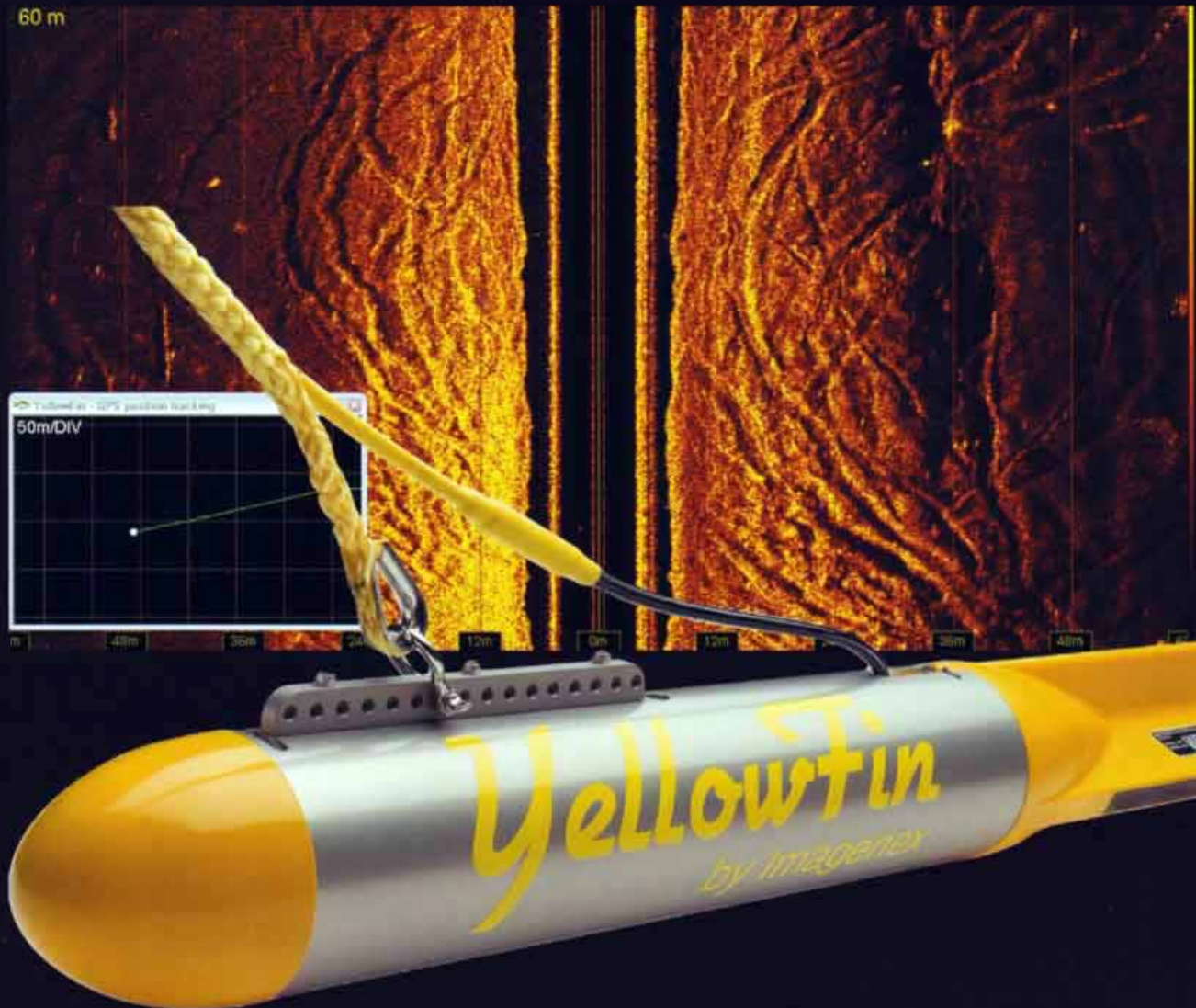


REDEFINING IMAGE CLARITY

The Imagenex YellowFin
High Resolution Sidescan Sonar

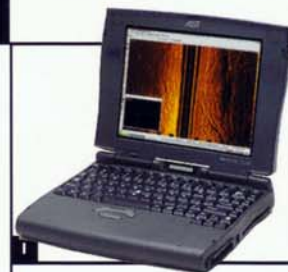
60 m sidescan image of anchor scours near bulk loading terminal in Port Moody, British Columbia, Canada - 260 kHz



The YellowFin is an affordable, user friendly system that incorporates a high speed Ethernet connection to your PC. The built-in GPS receiver completes this exceptional system!

IMAGENEX

At **IMAGENEX**, we think no Sonar feature is more important than **image clarity**. Our design team helped pioneer modern imaging sonar technology, and we continue to lead the way, pushing the **performance** boundaries of our high resolution sonar units. With continuous technological advancements, software and hardware **compatibility**, **portability** and overall ease of use, **IMAGENEX** sonar systems set **the industry standard** as the most **specified** sonar systems **world wide**.



- 1) Laptop
- 2) Surface Interface Box
- 3) Nose piece removed
- 4) Standard belt weights fixed to ballast plate
- 5) 3rd Party post-processed mosaic of anchor scours

IMAGENEX YELLOWFIN TECHNICAL SPECIFICATIONS

FEATURES

- Triple Frequency
- High Resolution
- 300 m Depth Rating
- Up to 400 m Total Coverage
- 23 m (75') Tow Cable Included
- LAN Compatible
- Built-in Track Plotter
- Built-in Internal GPS Receiver
- Record to .XTF in Real-Time

APPLICATIONS

- Underwater Archaeology
- Sunken Timber Recovery
- Search & Recovery
- Surveying
- Law Enforcement Work
- Scientific Research
- Environmental Survey

The new Imagenex Model 872 "YellowFin" is a full-featured dual channel, high resolution, sidescan sonar.

The YellowFin is an affordable, very user friendly system that incorporates a high speed Ethernet connection to your Windows™ based laptop or desktop PC.

Integrated power and a built-in differential-ready GPS receiver complete this fantastic system. Zoom windows are available for target investigation without interrupting real-time data acquisition. Data is displayed in real-time, with or without speed correction, in 9 user selectable colour tables.

SPECIFICATIONS

FREQUENCY:
260 kHz / 330 kHz / 770 kHz nominal

TRANSDUCER: One transducer per side, tilted down 20°

TRANSDUCER BEAM WIDTH:
260 kHz 2.2° x 75°
330 kHz 1.8° x 60°
770 kHz 0.7° x 30°

RANGE RESOLUTION:
Range Scale / 1000

MAXIMUM OPERATING DEPTH:
300 m (~1000')

MAXIMUM CABLE LENGTH:
600 m (~2000')

POWER SUPPLY:
40 - 55 VDC at less than 3 watts, supplied from Surface Interface Box

INTERFACE TO PC:
10 Mbps Ethernet

INTERFACE TO SONAR HEAD:
FSK Analog Telemetry

DIMENSIONS:
TOWFISH: 114 mm (4.5") diameter x 833 mm (32.8") length
SURFACE INTERFACE BOX: 31 cm (12.2") length x 26 cm (10.2") width x 8.7 cm (3.4") height

WEIGHT:

TOWFISH: 5.4 kg in air (12 lbs),
1.8 kg in water (4 lbs)
SURFACE INTERFACE BOX: 0.9 kg (2 lbs)

MATERIALS:

TOWFISH: Polyurethane and 6061-T6 Aluminum
SURFACE INTERFACE BOX: Aluminum

FINISH:

TOWFISH: Hard Anodized
SURFACE INTERFACE BOX: Powder Coated

RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:

800 MHz Pentium 3, 256 MB RAM,
2 GB Hard Disk, 1024 x 768 x 256 Colour Graphics. Windows 98, Me, NT, 2000 or XP operating systems.

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For more information about Imagenex Sonar products, please contact Imagenex Technology Corp. Specifications subject to change without notice. Please contact Imagenex for confirmation.

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