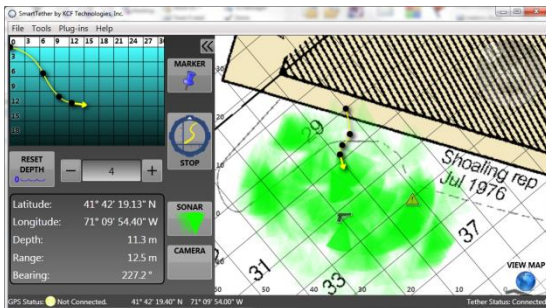


DiverNav System (ST-DN)

DiverNav offers unmatched real-time GPS location of tethered divers in a self-contained, non-acoustic tether shape measuring system that is quick to deploy and easy to use. In addition to determining the location and heading of the diver, DiverNav displays a live plot of the entire tether's shape, improving overall situational awareness and safety. The included Smart Tether software captures the scan and position history of the diver for the divemaster to ensure that an entire area is searched. DiverNav's high-speed, real-time positioning makes navigation possible even in zero-visibility conditions. With advanced scanning and target marking capabilities, DiverNav increases the capabilities of your dive team, making your operations safer, faster, more effective.

- Extremely fast setup time (under 5 minutes)
- Fast position update rate (> 15 Hz)
- Expandable up to 210 meters in length



Reliable Monitoring

DiverNav allows reliable, real-time monitoring of divers or tethered underwater equipment. Simple to set up and use, and impervious to acoustic interference, DiverNav allows increased confidence during difficult underwater operations and can help improve operational efficiency and reduce the possibility of entanglements or other dangerous situations.

Flexible Configuration

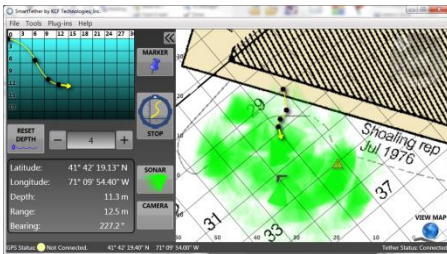
Because tether segments can be chained together, a DiverNav system is easily expandable from a single 70-meter tether up to a 210-meter 3-segment tether. DiverNav easily bundles with existing umbilicals, and can be operated from a fixed location or a moving platform or boat, using the included GPS basepoint receiver

Cost Effective

DiverNav is priced competitively compared to other underwater navigation and positioning systems. Because it can be set up so quickly and used in almost any environment, a DiverNav system can be used for a wide variety of applications, making it a one-size-fits-all solution for all your underwater operations.

DiverNav Smart Tether System Specifications

Mechanical	
Standard Tether Length	70 m (230 ft) base tether + 1 m (3.3 ft) heading sensor whip
Tether Diameter	5 mm (0.2 in)
Node Length	150 mm (6 in)
Node Diameter	22 mm (0.85 in)
Number of Sensor Nodes	6 nodes per 70 m tether segment + 1 heading node on whip
Working Strength	1780 N (400 lb)
Buoyancy	Negative
Environmental	
Storage Temperature	-40 to 120 °C (-40 to 238 °F)
Maximum Depth	305 m (1000 ft)
Pressure Sensor Saturation	305 m (1000 ft)
Electrical	
Tether Connectors	4-pin wet-mateable male at top side, female at diver end
Power Supply	120-240 V AC, 50-60 Hz
Power Consumption	2.5 W per 70 m tether (topside PC not included)
Software	
Minimum PC Requirements	<ul style="list-style-type: none"> Windows Vista or higher 1.6 GHz processor 1 Gb (32-Bit) or 2 Gb (64-Bit) RAM 3 Gb of available hard drive space 2 USB ports (1 for tether, 1 for included GPS receiver)
Capabilities	<ul style="list-style-type: none"> Real-time 3D positioning >15 Hz data update rate Target marking and reacquisition Map or chart overlay Search area mapping Real-time data output Data storage for post-processing
System Components	
Included Accessories	<ul style="list-style-type: none"> Topside Control/Communication Box USB cable USB GPS receiver AC power adapter Software license



Configurations

Part Number	Description
ST-DN	Complete 70 meter system with all topside hardware
ST-DN-PRI	Additional 70 meter extension tether (requires ST DN base system)