

SeaSonde Central Site Management / Data Combining Station

Product Code: SSDP-100 or SSDP-100EX

Description:

The SeaSonde Central Site unit is the hub for monitoring and combining data from your entire SeaSonde network. Manage data transfers from remote sites so that you can produce and display the most up-to-date current maps. Display diagnostic data in one convenient place for quick operator access. SSDP-100 hardware can be installed locally or in a data center thousands of kilometers away. Data can be combined from standard SeaSonde remote unit traditional radial vector maps and also from the new elliptical vector maps that will increase data density and expand coverage area. Multi-stage automatic Quality Control is built in to the processing to meet real-time operational needs. Additional software allows for value-added information from your data like real-time drifter tracks and sub-diurnal time scale filtering, among others. Whether you have two sites or 24, the Central Site unit will make monitoring and management of your SeaSonde network a streamline task.

SSDP-100 Includes:

Computer	Macintosh desktop quad core xeon 2.8GHz 2GB RAM 256GB HD or later. USB Keyboard and Mouse.
Display	Color, 23" HD Display.
Software	Combine Station Suite software license (for interaction with up to six SeaSonde Remote Units).

Note: **SSDP-100EX** is "extended version" of SSDP-100 designed for interaction and combining data with up to 24 SeaSonde Remote Units.

Combine Site Software Suite:

<u>Application.</u>	<u>Function.</u>
Sentinel	real-time startup. log status events. track applications.
AnalyzeCurrents	real-time script to process radials and ellipticals into total current vectors.
CheckForRadials	determines which newly transferred radials and ellipticals need to be processed.
RadialsToCurrents	combine radial and elliptical vectors into total current vectors.
TotalArchiver	finalize total current vectors into output LonLatUV format with much metadata.
Archivalist	archive output data and diagnostics on site to manage disk space to help with data retrieval.
SeaDisplay	plot total, radials and ellipticals over coastline site map. create and modify total vector grid. create image output. create movies over time.
SeaDisplaySetup	create a customized coastline site map.
FileExchange	suite of scripts and tools for real-time transfer of data (typically radials, waves and diagnostics) from the remote radial sites using Timbuktu® (IP or Modem) or ssh over IP.

++ Many more useful utilities are included. Refer to operation manual for complete description of software features.