

SPOT.ON is a patented survey management software which allows operators to supervise, manage and collect synchronized geographic position, video, sonar and serial data in virtually any type of survey environment. Although SPOT.ON was originally designed for underwater use, it is ideal for recording any type of georeferenced data.

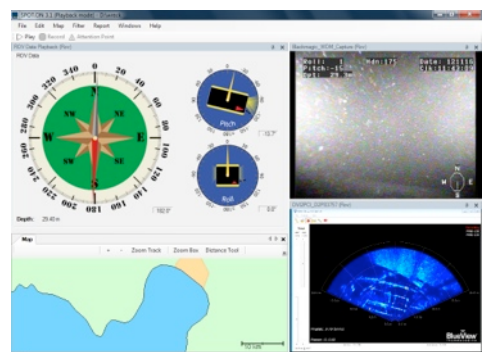
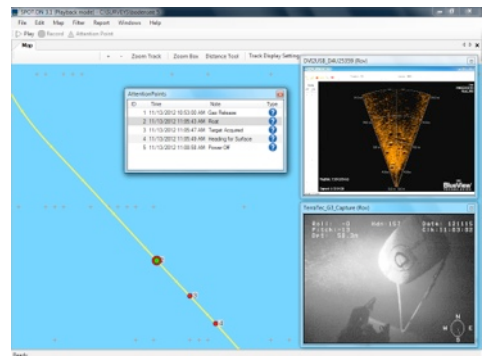
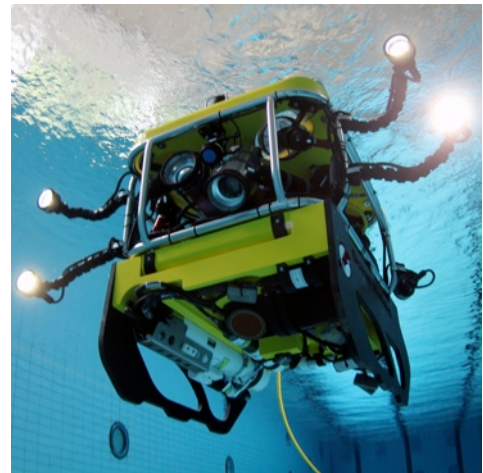
Collected data is connected to a track overlay on a drawing, map or chart. Any part of the recorded data is instantly viewable and playable by simply clicking the track. Points of interest are automatically presented in an automated report.

Of course, the full survey, including all video and other collected data, can be shared and played back in the freely available SPOT.ON Viewer.

Simple licensing terms allows installation on multiple computers and transfer of the license between them without manual activation or an Internet connection.

Due to a flexible and rapid development process custom modules can be deployed quickly.

SPOT.ON 3	Basic	Plus	Custom
Simple Licensing	✓	✓	✓
Position, Video and Serial	✓	✓	✓
Waypoints & Attention Points	✓	✓	✓
Automated Report	✓	✓	✓
Standard Vector Map	✓	✓	✓
GeoTIFF Overlay Support	✓	✓	✓
Kalman Filtering of Report	✓	✓	✓
Sonar Recording	✓	✓	✓
Multiple Video Recording	2x	4x	✓
S57 Nautical Chart Support		✓	✓
C-MAP CM93 Chart Support		✓	✓
Custom Map/Drawing			✓
Data Module Extensions			✓
Format Extensions			✓
Nautical Chart Extensions			✓
Tactical Extensions			✓
3D Extensions			✓



Ocean Modules SPOT.ON 3.0 Survey System Technical Specification

Software Requirements	Microsoft Windows 7 64-bit (Other versions may work, but are not supported.)
Hardware Requirements	Computer which supports the software requirements, but survey requirements and data collection interfaces may impose additional requirements. The Ocean Modules Rack PC and SPOT.ON Hardware Kit are highly recommended.
Positioning	NMEA GPGGA and PSIMSSB/PSIMSNS strings, covering most GPS and UWPS applications.
Video	PAL/NTSC analog video and HD digital video, limited only by hardware capability.
Sonar	Full frame capturing of resolution up to 1024x768 including, but not limited to, BlueView ProViewer and Tritech Seanet Pro.
Audio	Compressed recording of operator voice notes with compatible microphone.
Serial Inputs	RS232/RS485 limited only by available ports, with optional custom graphic representation.
Nautical Charts	C-MAP CM93 and S57 Nautical Charts, both with optional S52 nautical chart presentation. (Requires separate data license.)
Chart/Map Overlay	GeoTIFF (Any bitmap file, such as satellite imagery, can be georeferenced.)
Distance Calculation	Multiple point, including heading display.
Attention Points Waypoints	Unlimited marking of time and location of items of interest, used for instantaneous identification during playback and automated report generation.
Reporting	Playback and export of complete survey using freely distributable SPOT.ON Viewer, automated printable report containing overview map including image data, position, location, time and notes for each Attention Point.
Kalman Filter	Automatic filtering of position data during playback, including parameter setting.
Survey Length	Virtually unlimited, restricted only by computer storage space and number of streams and resolution of data collected. A typical survey requires 3GB of storage space per hour.
Data Module Extensions	Graphical representation of Innovatum SmarTrack cable tracker, Ocean Modules V8 ROV heading, pitch, roll and depth data and custom CTD, CP probe or photospectrometer data display. (Additional module development options available.)
Format Extensions	ADRG, ARINC, ASRP, AutoCAD DXF, AutoCAD DWG, BIL, BSQ, BSP, BSB Nautical, CADRG, CEOS (Spot), CIB, CMRG (PCMap), DEM, DFAD, DTED, ECW, ELAS, Envisat N1, ESRI Shape, ESRI Shape 3D, ESRI Binary ADF, ESRI ASCII Grid, Erdas IMG, Erdas LAN/GIS, GeoSoft raster, GridASCII, HDR, Intergraph raster, Japanese DEM, MapInfo TAB, MapInfo MIF, MFF, MFF2, MrSID, MySQL, NITF, NOAA, Oracle Spatial, OGC WMS, OGC WCS PolGASP, Raw, RPF, SDTS DEM, SQL Server 2008, USGS ASCII, USGS DOQ, USRP, VTP BT elevation, VPF, SRTM HGT, WMO GRIB1 and WMO GRIB2 (Additional formats require customer-specific configuration files.)
Nautical Chart Extensions	Native, high-performance reading and rendering of maritime data according to the International Hydrographic Organization (IHO) S-57 and S-52 standards.
Tactical Extensions	Tactical symbols and graphics according to the MIL-STD-2525B and STANAG 2019 APP-6B standards, support for C4ISR applications.
3D Extensions	Interactive 3D fly-throughs with dynamic loading of data, on the fly generation of 3D map from 2D/3D GIS data without requiring 3D modeling, support for VRML and 3D Studio models, 3D building and fence generation from lines and polygons, 3D ground generated on the fly from elevation raster data, 3D lines or 3D points, and configurable triangle decimation.



**QUALITY
ASSURED
ISO 9001**

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