Intelligent devices for sensor networks



FLIR Sensor Maps

The FLIR Sensor Maps Tool is a software component that allows systems integrators to easily manage and display geo-referenced information from sensors in their applications. This ActiveX is optimized for efficient rendering of dynamic information and real-time updates from multiple sensors over raster and vector map layers.

Its rich programmer's interface offers easy implementation of icons, camera cones, radar symbology, cursor modes, alarm areas and different graphical tools for scales and distance. Optional technical support and Professional Services packages are available from FLIR Networked Systems.



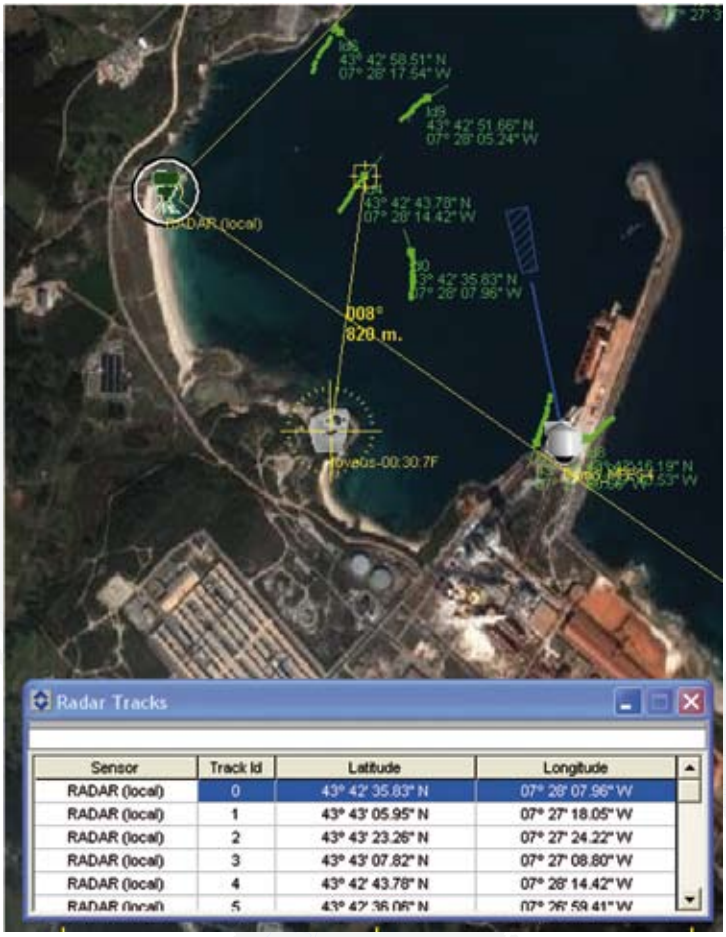
Features

- Geo-calibrated raster backgrounds and multiple vector layers
- Powerful low level functions to implement pan, zoom, zoom box and other standard mapping functionality
- Camera icons with real field of view projection of thermal imaging and daylight cameras
- Custom graphics and moving icons (UAV, vehicles, waypoints)
- I/O plots and radar tracks symbology with history and areas
- Lat/lon and UTM projections
- Graphical range/bearing ruler between points or objects
- Scale legend display and bird's view features
- Smart Tile: tools for automatic loading of optimal map content to cover wide areas with smaller detailed tiles

Key benefits

- Fully compatible with Nexus, owned and supported by FLIR Systems
- Direct coordinates capture for Nexus SDK geo-referencing function calls (slew to cue, point, scan lists, radar modes)
- Efficient rendering of multiple dynamic layers. Unlike most dedicated mapping software (GIS), this lightweight mapping library can be used together with video display applications.
- Supports high refresh rates of moving objects
- Integrated display of radars, cameras, UAV and other sensors
- Easy management of sensor objects with high level functions
- Visual calibration of standard BMP files (tactical maps)
- Support for standard map data raster and vector file formats
- Customizable icons, labels, colours and symbology

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Screenshot of a software interface developed using FLIR Sensor Maps Tool



Satellite raster in FLIR Sensor Maps software showing coverage of a FLIR PTZ-35x140MS over a geo-calibrated harbor area.

Part numbers

FNS200.DEV.MAP.V1
FLIR Sensor Maps Tool
(runtime license per PC)

FNS500.SUP.DEVTOOLS.1YRSIL
FLIR Developers Network Annual Subscription

Technical specifications

MAP SOURCES
- North up raster files (24 bits BMP, GeoTIFF)
- Enviromental Systems Research Institute (ESRI) Shapefiles™

INPUT FILES
- Resolution: Any X and Y (multiples of 4)
- Maximum size: 128 MBytes
- Projection: UTM or Geographic (lat/lon)
- Datum: Configurable (default WGS-84)

MIN. SYSTEM REQUIREMENTS
(32 MB Raster, 100 Radar tracks, 4 Video Players, Map usage< 20%, Total CPU 85%)
- Intel processor Core2Duo 2.0GHz, VGA 128MB non-shared
- Windows XP SP2 DirectX 9c or Vista SP1
- Development tools: MS Visual Studio 6 or .NET, Java (wrapper required)

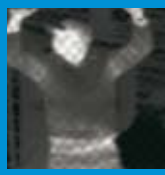
FLIR Networked Systems, s.l.u.
Av. Bruselas, 6 – B2
28109 Alcobendas, Madrid
Spain
Phone : +34 (91) 490 40 60
Fax : +34 (91) 662 97 48
e-mail : fns@flir.com

FLIR Commercial Vision Systems B.V.
Charles Petitweg 21
4847 NW Teteringen - Breda
The Netherlands
Phone : +31 (0) 765 79 41 94
Fax : +31 (0) 765 79 41 99
e-mail : flir@flir.com

FLIR Systems, Inc
CVS World Headquarters
70 Castilian Drive
Santa Barbara, CA 93117
USA
Phone : +1 805 964 9797
Fax : +1 805 685 2711
e-mail : sales@flir.com

www.flir.com





Your local dealer:

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