

Carmenta Engine Nautical Chart Extension

Combine S-57 Charts with Maps and Overlays

The Carmenta Engine Nautical Chart Extension is a supplementary package for adding nautical charts to Carmenta Engine-based applications. The extension provides native, high-performance reading and rendering of maritime data according to the International Hydrographic Organization (IHO) S-57 and S-52 standards.

Combine Charts and Maps

Many Command and Control systems lack adequate map presentation over maritime areas. Conversely, the map display in many maritime systems would benefit from data sources like satellite imagery and town plans. The Nautical Chart Extension bridges this gap by enabling systems to combine S-57 charts with maps in any of the 70+ formats supported by Carmenta Engine.

Cost Effective Data Management

One of the greatest benefits of using the extension is that it allows you to read the maritime data directly from the S-57 files. This means that time consuming off-line data preparation work can be eliminated altogether. When you receive charts from the data provider, just copy them to your computer and they will immediately be available in your system.

Standardized Chart Presentation

The extension also provides ready-to-use nautical chart presentation according to the S-52 standard, thus ensuring that the charts will be rendered the way the authorities intended them to. But it is also possible to apply custom processing and visualization to individual S-57 features using the complete Carmenta Engine function set, e.g. to remove or highlight certain objects.

Real Time Performance

The Nautical Chart Extension benefit from the full set of performance-enhancing features contained in Carmenta Engine. These include hardware accelerated graphics, multi-core support and sophisticated caching. This means that the charts can be used for real time and rotating moving map systems with outstanding results.

For further information, please refer to the Carmenta Engine product sheet, or contact Carmenta.

