

CMT PDA GPS

PDA with CE Cruise EX & PC-Cruise EX: \$2885



PDA with high-performance GPS in waterproof case

Microsoft® Windows Mobile™ 5.0/6.0 (Pocket PC)

Built-in GPS and built-in GPS Antenna:

- ▶ Good performance under tree canopy
- ▶ Typical accuracy: 1 to 5 m (real-time)

Automated Software Installation

Data Integrity and Validation Integrity

Actual example from Horton Tree Farm (900,000 board feet) in Oregon

- ▶ Mature and high density Douglas Fir trees on 40 acres
- ▶ Wet ground and wet trees in December 2006
- ▶ Most GPS would fail under such heavy canopy
- ▶ **Built-in GPS still performed well**
 - Area measurement error approximately 0.5%
 - **Consistent tracking** even under heavy canopy
 - PDA survived harsh conditions

CE-Cruise EX 07 Highlights

- ▶ **Cruising Grid** Setup
- ▶ Point & Shoot Cruise Data Entry
- ▶ **Multi-product** Data Entry
- ▶ Error-checking based on tree profile
- ▶ On-the-spot **tree volume** results
- ▶ Access to Navigation from Plot Info screen
- ▶ Cruised Plot Indicator
- ▶ Tract/Stand volume and statistics reports
- ▶ Load background imagery: MRSID®, PIM
- ▶ BaseMap with contour lines
- ▶ Import/Export Shape Files
- ▶ Thousands of patterns and symbols
- ▶ Free-hand **digitizing** capability
- ▶ Navigation and Auto-routing with **Voice Directions**
- ▶ NMEA-183 GPS data support
- ▶ GPS Data Logging: **By Time, By Distance**
- ▶ **Offset, Traverse, and Nested** points
- ▶ **Length, Distance & Area** measurements
- ▶ LLA UTM, SPC, NEZ and **User-Defined** Coordinate Systems

A screenshot of the CE-Cruise EX software interface showing a tree data entry form. The form is titled 'Trees Detail Multi-Product' and displays a table of tree data for Plot#: 1. The table includes columns for Tree#, Sp, Prod, Rep, DBH(In), Ht/Hx(Ft), Hm(Ft), and #Logs/Sticks. Below the table, there are summary statistics for L/S Len, StmpHt, MerTDia, Vol, CuFt, and Vol2. The interface also shows a Windows taskbar at the bottom with the CE Cruise application running and the time 10:11.

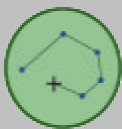
Tree Data Entry Form

Select Tree Species and Product.
Enter DBH, Merchantable Height
or Number of Logs/Sticks.
See volume and weight results.

PC-Cruise EX 07 Highlights

<p><u>Cruise Methods:</u> 100% Cruise Measure/Count Tally Fixed Area Plots Prism Points Double-Point by Point Double-Point by Tree Strip Method VBAR Tally</p>	<p><u>Volume Methods:</u> Built-in Stem Profiles Built-in Volume Equations Mesavage/Girard Volume Tables NVEL Volume Estimator Library User-defined taper, volume equations/tables, VBAR equations/tables, and Ratio equations</p>	<p><u>Data Entry and Reporting:</u> Point & Shoot tree data entry Multi-product data entry #Logs < > Merchant able Height Extensive error-checking Tree Volume Display Exclude Trees, Plots or Stands Volume reports for Tract/Stand/Plot Statistics reports</p>
<p><u>Supports:</u> "Big BAF" Height Sub-sampling Tarif Method Cumulative Tally</p>	<p><u>Setup:</u> Merchandizing specs User-defined data fields, DBH, and merchantable heights Save/Load Cruise Setup</p>	<p><u>You can do these and more:</u> Compute required #sample plots Merchandize based on tree profile Combine Cruises Display Stand acreage by classes</p>
<p><u>GPS/GIS:</u> Record Features with Attributes/Values Navigation & Stakeout</p>	<p><u>Geo-reference</u> Aerial Photos Merge area boundaries Set Image/Area Transparency</p>	<p>Show Distances and Acreages Interface with Google Earth® Save completed map as image file</p>
<p><u>Cruising Grid</u> Deed Calls Coordinate Geometry</p>	<p><u>Digitize</u> Points/Lines/Areas Label map elements Show BaseMap with 3D shading</p>	<p><u>Import/Export (MS Excel/Access):</u> Feature Lists, Shape Files Cruise data, Feature data</p>

Forester's Toolkit Built-in!



Heads-Up Digitize tracts and stands from **georeferenced** aerial photo. Share borders to **eliminate gaps** and overlaps.



Create "Islands" within a tract or stand. The "island" area is subtracted from the tract or stand to show **net acreage**.



Split Tract/Stands into smaller areas along borders or other boundaries.



Register Photos using **GPS points** or topo maps. View your photo and topo map side-by-side for **georeferencing**.



Combine Tracts/Stands and **join** along common boundaries to form larger areas.



Add Roads, Streams, and other Point, Line and Area Features. Digitize the feature and assign a symbol with a click of the mouse.

For more information, please visit cmtinc.com