



Positioning Technology

The *Rosum TV+GPS Hybrid Positioning Module (HPM)* combines the indoor and urban reliability of Rosum's TV-positioning technology with the sensitivity and accuracy of Global Locate's Hammerhead A-GPS chip. It delivers reliable and accurate location in all environments — indoor, outdoor, dense urban and rural. The HPM integrates TV and A-GPS ranging information so any combination of three or more TV towers and GPS satellites can be used for positioning. Rosum's hybrid TV+GPS solution also enhances the performance of the A-GPS engine itself by providing it with accurate time and frequency assist information which substantially improves GPS acquisition time and sensitivity. Further, the HPM provides altitude information to enable reliable indoor and outdoor 3D positioning.