



REMOTE SENSING OVERVIEW

Markets Served

Pacific Crest serves a broad cross-section of major markets with its rugged and reliable radio and positioning solutions. These markets are broken down into two discrete application segments: precise positioning and remote sensing.

Remote Sensing applications include environmental monitoring, water management, and pipeline/transmission line management. These applications require the broadcast of digital information from remote sensing devices to central offices that process the data for decision making. Devices such as thermometers, pH meters and pressure sensors relay their measurements to radio links for broadcast back to the central stations which, in turn, send command/control instruction back to the remote sensors.



Positioning Solutions

Pacific Crest offers Trimble's latest centimeter-level positioning technology to system integrators. The Trimble BD960 GNSS receiver module harnesses GPS L1/L2/L5 and GLONASS L1/L2 signals in an easy-to-integrate module that provides fast RTK initialization with proven low-elevation tracking. It also includes decimeter positioning with OmniSTAR XP/HP support. The BD950 L1/L2 GPS module provides outstanding reliability in a wide range of guidance or control applications. This receiver is also designed to allow easy integration into specialized or custom hardware solutions. The receiver's small size and exceptionally low power requirements make it especially suitable for portable solutions.



Radio Solutions

Radio modems from Pacific Crest provide wireless data links for RTK positioning and remote sensing. These broad spectrum transceivers offer up to 35 Watts of power and over-the-air link rates as high as 19,200 Baud. Pacific Crest is the leading provider of high-performance data links for the Geomatics industry based on the acceptance of its communications protocols as the standard for RTK surveying. Compact and lightweight, the radios are also watertight and rugged enough for the toughest environments. They are easily configurable in the field with an enhanced user interface. Easy-to-integrate modules are also available to system integrators seeking the best radio modems possible.



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