



The Serial Port Adapter provides reliable system transfer measuring data from the VECTOR binocular to the PDA.



Reference Application

Bluetooth® wireless technology in advanced binoculars

Vectronix provides rugged, intelligent observation instruments and survey systems to governmental organizations. With its technologically advanced compass and rangefinder modules, Vectronix has established itself as a key supplier and partner to leading prime contractors and systems integrators.

Rangefinder Binoculars

The LEICA VECTOR™ is a modern high performance binocular. It combines outstanding optics with distance and angle measurement functions. LEICA VECTOR™ is the instrument which allows you to "point and click" to determine the position and dimensions of inaccessible objects in the field, locate targets, etc. LEICA VECTOR is four instruments in one:

- **Binoculars** - Superb optics in robust, water-tight, rubber armored housing.
- **Laser Rangefinder** - Measures from 5 m up to 12 km, depending on model, visibility and nature of target object.
- **Digital Compass** - Displays magnetic azimuth or grid azimuth in degrees, gon or mils.
- **Inclinometer** - Displays vertical angles between -35 to +35 degrees.

Wireless Data acquisition

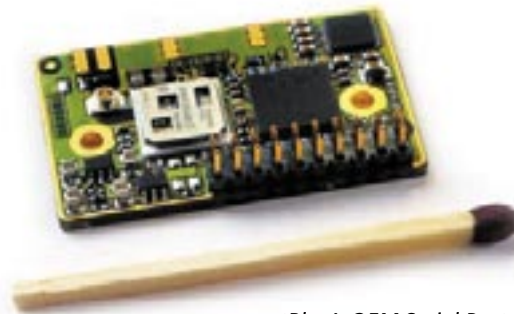
Measured data is displayed in the field of view and can be wirelessly transmitted using Bluetooth technology from the LEICA VECTOR to a computer or data terminal. A Bluetooth connection between the LEICA VECTOR and the computer will be established by a click on the LEICA VECTOR and data will be transmitted. Most applications where the LEICA VECTOR is being used will benefit from Bluetooth technology.

Bluetooth requirements

Vectronix has integrated the connectBlue OEM Serial Port Adapter in their LEICA VECTOR. It enables a wireless Bluetooth link to a handheld computer, PDA. The Serial Port Adapter module is simply integrated and connected to the existing RS232 interface of the LEICA VECTOR and emulates the RS232 cable previously used.

The proven quality of the Serial Port Adapter provides a reliable solution to the system transfer measuring data from the VECTOR to the PDA.

As the Serial Port Adapter has undergone the Bluetooth Qualification Program and Type Approval, there are no additional approvals or certifications needed.



connectBlue's OEM Serial Port Adapter ready to implement for wireless connectivity.

About connectBlue

connectBlue is a leading provider of wireless solutions for demanding applications in segments like industrial automation, medical, instrumentation, diagnostics, logistics / transportation, vehicles and point of sales. Based on Bluetooth technology WLAN and ZigBee, connectBlue provides ready-to-use products and modules as well as custom design solutions in both hardware and software. www.connectblue.se

connectBlue

connectBlue AB • Norra Vallgatan 64 3v • SE-211 22 Malmö • Sweden
Phone +46 40-6307100 • Fax +46 40-237137 • info@connectblue.se • www.connectblue.se

Printed in Sweden. ©2006 connectBlue AB. All rights reserved. All specifications are subject to change without notice. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by connectBlue is under license.