

Acquisition Package



Hawkeye 2000 series
professional survey solutions

Overview

The Hawkeye Acquisition Package is the central hub of the Hawkeye 2000 series. The Acquisition Package integrates each of the individual packages to ensure a unified data acquisition solution is delivered.

The system is a rack mounted expandable solution containing one or more central processing units. The Onlooker Live, in-vehicle software application, controls and monitors the acquisition devices, network backbone and associated hardware.

Additional systems can be progressively added to this base unit to provide a truly scalable and dependable architecture.

The system comes complete with LCD(s) flat panel screen and keyboard, power supply system and mounting hardware.

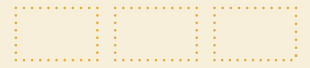
Features and Benefits

- Complete kit for in-vehicle installation
- Compact industrial PC rack system with no dedicated equipment rack required - reduces vehicle size
- Components can be progressively added over time
- Unified database provides correlated data to reduce analysis time and enhance data portability
- Onlooker Live real-time data processing confirms data integrity

Applications

- Base data acquisition system for Hawkeye 2000 range of solutions
- Fitted to dedicated survey vehicle





Acquisition Package

Specification Summary

Condition

Monitor	15", 17" or 19" Flat Screen TFT LCD
Mounting Rack Dimensions	600 mm x 600 mm x 800 mm (12RU)
Rack Space	6RU – Space for two Processing Units
Inverter	SEA 450W
Battery	12V 90AH Deep Cycle
Power Consumption	250W Continuous (with 1 processing unit)
Distance Measurement - Type	Rotational transducer
Distance Measurement - Resolution	>20,000 ppr (<0.1 mm)
Distance Measurement - Accuracy	± 1m / km

Components

- 1x Processing Unit (3RU)
- LCD Monitor, keyboard/trackball and mounting accessories
- Processing Unit mounting rack (6RU standard)
- Onlooker Live software
- Heartbeat module – Sensor Interface Module/Trigger/ Database key
- System Bus
- High Resolution Distance Measurement Instrument (DMI)
- Power Supply System (Inverter, Deep Cycle Battery)
- Mounting Hardware

Optional Components

Product

- + Processing Unit
- + Laptop Computer Console
- + Upgrade to 9 RU Rack
- + Upgrade to 12 RU Rack

Description

- Industrial Rack Mounted Computer (3 RU). Includes Server Switch & OS
- Alternative computer console. Laptop computer, operating system, configuration, vehicle mounting tray
- 19" Industrial Equipment Rack - 9 RU
- 19" Industrial Equipment Rack - 12 RU

Hawkeye 2000 series professional survey solutions

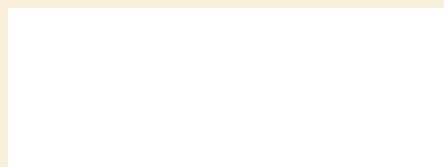


Related Products

Hawkeye 2000: Imaging, Profiling, GPS and Geometry Packages
Hawkeye 1000 series: Portable Survey Solutions

Note: ARRB Group Ltd reserves the right to change these specifications without notice. Whilst every care is taken in preparing these specifications, ARRB recognises that there may be classes of surface and applications for which the device has not been tested, and for which the device may not meet the stated specifications.

Authorised Agent:



ARRB Group Ltd.
500 Burwood Highway
Vermont South
VIC 3133
Australia

P: +61 3 9881 1555
F: +61 3 9887 8104
productinfo@arrb.com.au
www.arrb.com.au

Sept 2005



research | consulting | technology