Navigation Display CDU-NAV

RUGGED NAVIGATION CONTROL & DISPLAY SOLUTION OFFERS UNPRECEDENTED FLEXIBILITY

The integration of equipment in modern fighting vehicles means that space is at a premium. The CDU-NAV^{TM} is a compact Control and Display Unit that has been purposely designed and certified to operate in the harsh environment of wheeled and tracked fighting vehicles.

This highly capable control and display unit incorporates military grade components, is protected by a machined alloy enclosure and operates with a colour QVGA, multi-lingual and night vision compatible display. The CDU-NAV^{TM} is compatible with military and commercial GPS systems and the Honeywell® TALIN™500 Inertial Navigation Unit.

This highly versatile and affordable military display is interchangeable between the driver's and commander's positions. Using a rugged keypad for easy data entry and incorporating a real-time operating system for moving map applications.

The USB communication interface enables vehicle commanders to load pre-planned missions that incorporate waypoints and targets to enable easy and rapid navigation. This rugged and compact display provides the warfighter with unprecedented flexibility in an affordable and proven design.

PRODUCT FEATURES

- Compact and light weight
- Intuitive operator interface
- Ruggedised for military tracked vehicles
- Interchangeable between the Commander and Driver positions
- Colour, multi-lingual QVGA LCD with blackout mode
- NVG compatible display
- Compatible with military and commercial GPS systems
- Compatible with Honeywell® TALIN™ Inertial Navigation Unit
- Optional data entry keypad for fast text entry
- MIL-STD-461E and MIL-STD-810F compliant

COMPACT, LIGHTWEIGHT, RUGGED COLOUR DISPLAY SOLUTIONS

CDU-NAV SERIES

PROCESSING POWER DISPLAY

• **Processor**	PXA270 XScale processor running at 520MHz
• **FLASH**	64MB expandable through internal CF socket
• **SDRAM**	128MB SDRAM

Operating System
Windows Embedded CE 6.0

Graphic Display

• **Type**	Sunlight readable QVGA colour TFT LCD
• **Backlighting**	Day/Night, Night Vision Goggle (NVG) and blackout compatible
• **Active Display**	82 x 61mm
• **Resolution**	320 x 240 pixels

NVG Mode

Power Requirements

• **Voltage**	15 to 36VDC

Operating Temperature
• -20 ℃ to + 70 ℃ (-4 ℉ to +158 ℉)

User Controls

• **System Mode**	Ruggedised keypad
• **Data Acceptance**	Enter & escape buttons

Communications Interface

• **TALIN™ Interface**	Isolated CANbus or isolated RS-422 port
• **BMS & BCSS Interface**	CANbus or PDI standard
• **Azimuth Input**	Isolated CANbus
• **Data Upload**	Ethernet or USB

Accessories

• **Auxilliary Data Entry**	External alpha numeric 12 keypad NKP-NAV™
• **Turret/Hull Encoder**	Absolute turret/hull encoder

Optional External Keypad