



Ensuring Situational Awareness in Weapon Carriers and Armoured Vehicles

VistaMaster

Flexible display and panel PC family

Optimal overview of the situation thanks to versatile panel PC

The solutions from the VistaMaster family of displays and panel PCs support the user in data processing and video display at various installation locations in the vehicle. The device is scalable in size and its functions can be adapted to meet any customer requirement. This enables you to implement a wide range of applications, from simple displays to central control units.

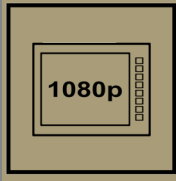
Readable under extreme conditions

To handle this wide range of applications, the displays are designed to ensure high contrast and good readability in darkness, in mixed light situations and even in bright sunshine. KNDS Deutschland Mission Electronics achieves this through optical bonding, which reduces reflections between the display and touchscreen and increases contrast.

- » Capacitive or resistive touch
- » Resolution up to full HD
- » Sunlight-readable
- » Integrated video signal processing
- » Customisable interfaces and functionalities
- » Adjustable touch screen sensitivity

KNDS

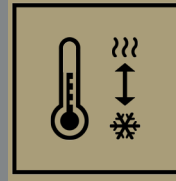
Key features



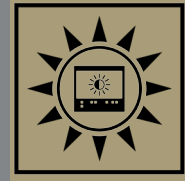
Full HD resolution



Environment acc.
MIL-STD-810



Extended
temperature range



High contrast

Technical data

Hardware variants

- / VistaMaster with display sizes from 7" - 17"
- / VistaMaster as display or panel PC
- / VistaMaster with single-touch or multi-touch
- / VistaMaster with SIL function
- / VistaMaster as remote display
- / VistaMaster with customer-specific design
- / VistaMaster with customer-specific functions

Computer

- / Intel® processor
- / Customer-specific memory equipment
- / Integrated graphics board
- / Operating system: Windows, Linux, other OS on request

Display

- / Full HD resolution (1920x1080px)
- / Brightness 1,000 cd/m²
- / Contrast 600:1
- / Multi-level dimming up to masking
- / Sunlight readable
- / Capacitive or resistive touch screen

Interfaces

- / Serial interfaces
- / Ethernet 10/100/1000 BaseT
- / CAN bus
- / USB
- / Digital video interface
- / Analogue video interface
- / Image processing interfaces
- / Audio interface
- / Customer-specific interfaces Fernsteuerausgang
- / Wireless video interface
- / PCI bus interface
- / Connection for mouse and keyboard
- / Customer-specific interfaces

Environment

- / Temperature shock, humidity, altitude, vibration, shock, salt fog, sand & dust, contamination by fluids according to MIL-STD-810
- / Extended temperature range
 - Operation -46°C to +63°C
 - Storage -46°C to +71°C
- / EMV according MIL-STD-461 & VG 95373
- / IP 65 protection
- / Vehicle electrical system according to VG 96916 & MIL-STD-1275
- / CE conformity

Overlay function

- / Displays the function of the active keys
- / Display of menus and symbols
- / Display of variable data

Picture-in-Picture

- / Simultaneous display of two different views, such as information from the battle management system and up to two video sources.

Video functions

- / Displaying analogue video sources
- / Displaying digital video sources
- / Simultaneous display and scaling of two camera windows
- / Display of analogue videos in real time
- / Low latencies for video transmission
- / Integrated video processing
- / Advanced video coding (AVC)
- / High efficiency video coding (HEVC)

Life Cycle

- / Externally replaceable CMOS battery
- / Obsolescence management
- / VistaMaster is always up to date with the latest technology