VistaMaster-17S

Unique multifunctional display for reliable visualisation

Situational Awareness with a high level of safety

The VistaMaster-17S supports the vehicle crew in processing information, ensuring situational awareness and controlling vehicle functions. In this context, data displayed incorrectly or commands entered accidentally can have serious consequences.
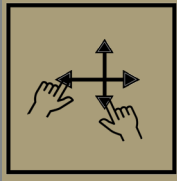
SIL level as a measure of safety

The inputs and actions that soldiers carry out on IT equipment can jeopardise the safety of people and material or the environment. This makes it important for the operator to know that the information shown on a display is accurate. The VistaMaster-17S gives the operator certainty because it meets the safety integrity level (SIL) according to the functional safety requirements of DIN EN 61508.

Reliable display of data and information

- » Reliable display up to SIL 3 as per DIN EN 61508
- » Safe input up to SIL 2 as per DIN EN 61508
- » Resolution up to full HD
- » PCAP display with capacitive multi-touch
- » Touchscreen sensitivity can be adjusted
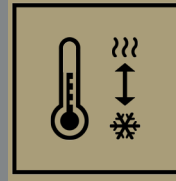- » Integrated video signal processing

KNDS

Key features

Operation with Multitouch

Environment acc. MIL-STD-810

Extended temperature range

Functional Safety

Technical data

Hardware variants

/ VistaMaster-17S with customer-specific display size

/ VistaMaster-17S with extra rows of control keys

/ VistaMaster-17S with customer-specific design

/ VistaMaster-17S with customer-specific functions

Computer

/ Intel© processor

/ Customer-specific memory equipment

/ Integrated graphics board

/ Operating system
  Windows, Linux, other operating systems on request

Display

/ Size 17"

/ Full HD resolution (1920x1080px)

/ Brightness 1,000 cd/m^2

/ Contrast 600:1

/ Multi-level dimming up to masking

/ PCAP touch (multi-touch)

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

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)

Schnittstellen

/ Bit-serial connections

/ Ethernet connection

/ Serial interfaces

/ Serial bus

/ Remote control output

/ Digital video interface

/ Audio interfaces

/ Connection for mouse and keyboard

/ Service interface

Umwelt

/ Temperature shock, humidity, altitude, vibration, shock, salt fog 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

/ Functional safety according of DIN EN 61508.

/ CE conformity

Function modes

/ For example: Safe/normal mode, video processing, battle management system or weapon station

/ Switchable via serial bus or on the device

/ Active mode determines the assignment of the function keys

/ Key assignments of alternative operating modes remain active in the background

/ No restart required when changing mode

Life Cycle

/ Externally replaceable CMOS battery

/ Obsolescence management

/ VistaMaster is always up to date with the latest technology

KNDS