



Durable display for weapons carriers

MDU-Display

Control unit for optimum situation display

Ruggedized display system

The MDU display is the central display of the battle management system and the connected cameras in the armoured vehicles of the Bundeswehr.

Robust and mission-proven

Harsh environments and tough terrain place high demands on displays in military vehicles when it comes to robustness, reliability and durability. MDU display is a monitor specifically designed for wheeled and tracked armoured vehicles – regardless of whether it is mounted in the command vehicle, command post or weapons carrier. The MDU display has proven itself in the Bundeswehr.

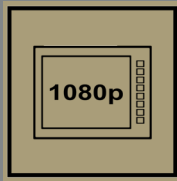
Designed for adverse light conditions

Soldiers operate the MDU using its resistive touch surface. KNDS Deutschland Mission Electronics considers it very important for the display to be easy to read in darkness, mixed light situations and in bright sunshine. The MDU is designed to ensure low reflection and high-contrast legibility at all times.

- » Resolution up to full HD
- » Wide range of interfaces on the display
- » Durable touchscreen thanks to GFG technology
- » Multi-level and automatic brightness adjustment
- » Operation with night vision goggles
- » Long service life thanks to the use of high-quality materials

KNDS

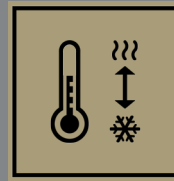
Key features



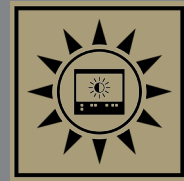
Resolution in full HD



Environment acc.
MIL-STD-810



Extended
temperature range



High contrast

Technical data

Hardware variants

- / 15" MDU display
- / 17" MDU display
- / MDU display with resistive single-touch
- / MDU display with capacitive multi-touch

Display

- / 15" and 17" display size
- / Colour TFT
- / Full HD resolution (1920x1080px)
- / Brightness 600 cd/m²
- / Contrast 500:1
- / Multi-level dimming up to masking
- / Resistive GFG Touch
- / AR coating
- / LED backlight

Input elements

- / Resistive single-touch or capacitive multitouch
- / Keypads
- / Camera switching
- / Control keys

Interfaces

- / Remote control output
- / Serial bus
- / Bit-serial connection
- / Digital video interface
- / Analogue video interface
- / Image processing interfaces
- / Connection for mouse and keyboard

Environment

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