

Display

full rugged

HEL65

65" Display



WATER



SAND



FROST



HEAT



SHOCK



DROP

The 65 „display of the HEL4.0 from roda is the only large format display available in the market in the version rugged and in the version Tempest NATO 27 SDIP Level B. The display has a resolution of 4k UHD, located in a rugged aluminum housing and convinces nevertheless by a slim design. Matching accessories such as VESA mounts, stands and TULBs also allow the mobile and deployable application. Connection interfaces can be realized according to customer requirements.

Technical Specification

Display	65" Display with extra small edges
Resolution	UHD 4k, 3840 x 2160 pixel
Format	16:9
Display Colours	up to 16.7 million colours
Viewing Angle	vertical: 178° horizontal: 178°
Contrast	4000:1
Luminance	typ. 450 cd/m ² without EMI glass
Reaction time	8 ms (GtoG)
Power Supply	230V _{AC} Input
Certification	IP54, MIL-STD 810F, MIL-STD461F (designed to meet), Tempest Zone 1 (NATO 27 SDIP Level B (ER)
Vesa	400
Housing	rugged aluminum housing
Colour	RAL 1013 HR mat with fine structure
Dimensions	1453 x 834 x 93.4 mm
Weight	ca. 56 kg

Environmental Specification

Temperature storage according MIL-STD-810F 501.4 Procedure 1
according MIL-STD-810F 502.4 Procedure 1

Temperature operating according MIL-STD-810F 501.4 Procedure 2
according MIL-STD-810F 502.4 Procedure 2

Climate Zone according STANAG climat zones:
A1, A2, A3, B1, B2, B3, C0, C1, M1, M2, M3
Note: C1 and M3 only in storage (TuLB) with
active heater

Humidity according MIL-STD-810F 507.4

Dustprotection according MIL-STD-810F 510.4 Procedure 1

Waterprotection according MIL-STD-810F 506.4

Vibration according MIL-STD 810F 514.5 C1
according MIL-STD 810F 516.5 Procedure 1
according MIL-STD 810F 500.4 Procedure 1

IP Rating according IEC 60529: IP54

Electrical Safety

EMI 2004/108/EG
• EN 55022:2010 +AC:2011
• EN 55024:2010
• EN 61000-3-2:2006 + A1:2009 +A2:2009
• EN 61000-3-3:2008

Low Voltage 2006/95/EG
• EN 60950-1:2006 +A11:2009 +A1:2010
+AC:2011 +A12:2011

RoHS 2011/65/EU
• EN 50581:2012

MIL-STD-461F • RE102-4

Tempest SDIP 27 Level B

TuLB for HEL 65" display

Aluminum TuLB in lightweight construction for safe transport and storage of HEL displays.

For storage at extremely low temperatures, the TuLB can be equipped with an optional heater.

- Dimensions (inside): 1650 x 500 x 1050 cm
- Weight: 99.5 kg incl. display
- Optional with heater