

## Short Description

# Display Controller with Touchscreen DC7-T



The DC7-T from Liebherr-Elektronik GmbH is a control device with integrated display especially developed for the requirements of mobile machinery in rough off-road conditions. Aside from state-of-the-art technology, the emphasis during design of the product was placed above all on ergonomic aspects. The industrial quality TFT display with laminated PCAP touchscreen guarantees legibility even in strong sunlight as well as gesture controls during operation. The audio system with integrated speaker facilitates the output of precise frequencies up to audio files.

### Features

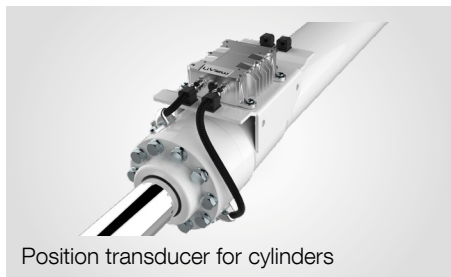
- Sunlight readable
- Extremely high reading angle
- Analogue and digital camera interface
- 800 MHz i.MX6 Quad Core processor
- 2D/3D hardware acceleration and vector graphics
- For tough off-road use
- Audio system
- 56-bit manipulation protection
- Hardware-independent diagnostics

# Technical Data

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### Technical Data

Processor	i.MX6 ARM Cortex-A9 quad-core
Frequency	800 MHz
RAM	1 GB DDR3
Flash	32 MB NOR, 4 GB eMMC
TFT Display	
Size	7"
Brightness	800 cd/m <sup>2</sup>
Contrast	Min. 500:1
Resolution	800 x 480 pixels, format 16:9
Audio	Audio system with integrated audio amplifier and speaker
RTC	Realtime clock with internal buffering
Rated voltage	12 – 24 V
Dimensions	209 x 153 x 55 mm
Supported standards	CODESYS® 3.5 Target, web- and HMI-visualisation, QT, C
2 x Ethernet	10/100 BASE-TX, in accordance with IEEE802.3 standard
2 x CAN	CANopen, J1939, UDS, internally terminable
1 x USB	Standard 2.0, for removable medium, charging of external devices
2 x Camera	PAL/NTSC, digital
1 x WLAN	802.11 b/g/n
Operating temperature	-30° C to +70° C
Type of protection	IP 65 connected
Identification	e1, CE, UL, CSA



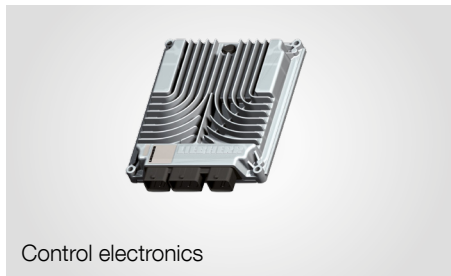
Position transducer for cylinders



Cameras



Keyboard units



Control electronics



Telematics



Display & control