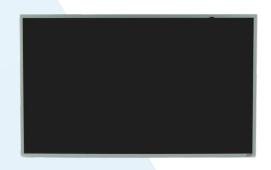# LCD COLOR DISPLAY
TLCD220PCV3

21,5" LCD display available with or without an integrated, fanless industrial computer. Designed for railway applications. Provides high performance in a wide range of operating temperatures with low power consumption. The display can be mounted on the „VESA" bracket and the „V-Twin" and „V-Twin V2" brackets suspended from the vehicle ceiling.

Mechanical properties

Dimensions	515 mm ± 0,2 mm x 312 mm ± 2 mm x 60 mm ± 1 mm
Weight	5,9 kg ± 0,35 kg
Working temperature	-40°C to +75°C
Storage temperature	-40°C to +75°C
Relative humidity	10% - 90% (no condensation)
Screen protection	Glass 4 mm
Coated with paint	Any color from the RAL palette
Level of security	IP64 (front), IP40 (back)

Technical parameters

Processor	Intel Apollo Lake (Atom, Celeron lub Pentium)
RAM	1x DDR3L SO-DIMM to 4GB
Supply voltage range	16 VDC ÷ 140 VDC
Rated voltage	24 VDC ÷ 110 VDC
Energy consumption	Max consumption 35 W (25 W without PC)
Exit ports	1x USB3.0
LAN	1x 10/100 LAN with connector M12 D-code female (optional 2x 10/100 LAN with connector M12 D-code female, does not apply to the version without PC)
Power connector	4-pin connector M12 A-code male
Screen diagonal	21,5" (16:9)
Maximum resolution	1920x1080 px
Luminance (cd / m2)	max 350 cd
Contrast	3000:1 (max), 1000:1 (min)
mSata	1x mSata 128GB
Standards	EN 45545-2:2020, EN 50155:2017, EN 50121-3-2:2016, EN 61373:2010, EN 50124-1:2017, Dyrektywy UE: 2014/30/EU (EMC), 2011/65/CE (RoHS2), 1907/2006/CE (REACH)

Devices are available in various configurations. It is possible to modify them and create a new model at the customer's request.