LCD Monitors

Industrial visual panels

LCD Monitors

📋 Description of the device

LCD Monitors are designed to display advertising and commercial content by Dynamic Passenger Information System, such as:

- ✓ vehicle's position on the road,
- ✓ complete information about the rout,
- ✓ messages for travelers (stops, changes, terminal stations, hot-news, etc.),
- ✓ occasional information (name days, festivals, etc.),
- ✓ commercials,
- ✓ vehicle's speed,
- ✓ data and time,
- ✓ preview of surveillance cameras.

LCD monitors have Ethernet interfaces enabling communication, configuration, programming and device's diagnostics without requiring a physical access.

They are equipped with a light sensor whereby brightness of displayed images depends on the intensity of the external light.

📟 Functionality

There is a possibility of adjusting device's parameters to the individual needs of our Clients. We offer additional communication interfaces to **LCD Monitors**, such as USB, HDMI, Wi-Fi, GSM, GPS. Panels are outfitted in vandal proof housing. All products are available in a wide range of colors. Applied passive cooling allows LCD Monitors to operate silently, whereas a very high quality of their components ensures a very long failure-free operation time.

▦ Types of monitors

Industrial visualization panels are available in the following models:

- ✓ LCD-15: 15",
- ✓ LCD-22: 22",
- ✓ LCD-24: 24",
- ✓ LCD-38: 38",
- ✓ LCD-43: 43".

Technical parameters

	LCD-15	LCD-22	LCD-15
Screen resolution	1920 x 1080 (FullHD)	1920 x 1080 (FullHD)	1920 x 1080 (FullHD)
Number of colors	16.7M	16.7M	16.7M
Brightness	1000 cd/m2	1000 cd/m2	1000 cd/m2
Contrast	3000:1	3000:1	3000:1
Nominal supply voltage	+ 24 V DC	+ 24 V DC	+ 24 V DC
Voltage range	+ 16.8 ÷ + 31.2 V DC	+ 16.8 ÷ + 31.2 V DC	+ 16.8 ÷ + 31.2 V DC
Maximum power consumption	75 W	75 W	75 W
External light sensor	Yes	Yes	Yes
View angle	170°(H), 160°(V)	170°(H), 160°(V)	170°(H), 160°(V)
Dimensions: width/height/depth	515 x 311 x (63+15) mm	515 x 311 x (63+15) mm	515 x 311 x (63+15) mm
Operating temperature range	-30˚C ÷ +55˚C	-30˚C ÷ +55˚C	-30˚C ÷ +55˚C

	LCD-38	LCD-43
Screen resolution	1920 x 1080 (FullHD)	1920 x 1080 (FullHD)
Number of colors	16.7M	16.7M
Brightness	1000 cd/m2	1000 cd/m2
Contrast	3000:1	3000:1
Nominal supply voltage	+ 24 V DC	+ 24 V DC
Voltage range	+ 16.8 ÷ + 31.2 V DC	+ 16.8 ÷ + 31.2 V DC
Maximum power consumption	75 W	75 W
External light sensor	Yes	Yes
View angle	170°(H), 160°(V)	170°(H), 160°(V)
Dimensions: width/height/depth	515 x 311 x (63+15) mm	515 x 311 x (63+15) mm
Operating temperature range	-30˚C ÷ +55˚C	-30˚C ÷ +55˚C

Compliance with standards:

PN-EN 50155	Railway applications- Electronic equipment used in rolling stock
PN-EN 50121-3-2	Railway applications - Electromagnetic compatibility
PN-EN 45545-2+A1	Fire protection in rail vehicles. Part 2: materials and elements on the combustion properties at HL1, HL2 and HL
PN-EN 61373	Railway applications - rolling equipment
TSI PRM pkt 5.3.2.7	Internal and external displays