

VisiWeb® LED Front Display

Energy-efficient and lightweight high resolution LED-display, for use as a destination indicator in public transport vehicles



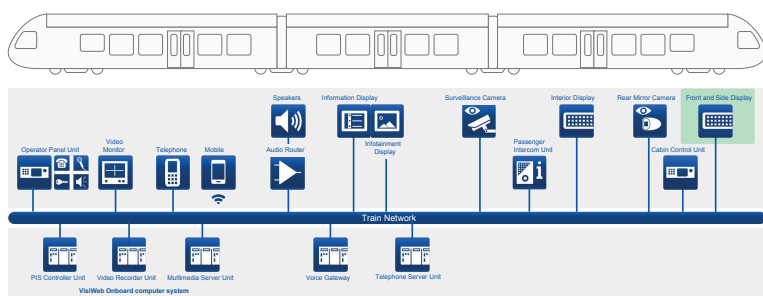
The VisiWeb LED front display is a high-resolution, monochrome matrix display designed for use as an exterior display in public transport. It offers excellent readability, low power consumption and light weight.

Robust and compact

The VisiWeb LED page display consists of a rigid, enclosed aluminium housing that contains not only five state-of-the-art monochrome LED matrix modules, but also the entire electronics, including the display controller and a power supply. It is characterised by durability and temperature resistance.

Perfectly readable

Due to its small LED spacing, the display provides a high resolution, allowing for smooth edges on the text. It is equipped with the latest generation ultra-bright LEDs, regulated by an integrated sensor.



Overview of the VisiWeb entire system and its components.

Optional filter glass panels can be used to further enhance contrast depending on the application.

Versatile and configurable

The LED colour, display area and housing dimensions can be configured according to customer requirements. This allows for a wide range of applications, such as in rail vehicles, buses, cable cars, passenger ships.

Advantages

- Modular design
- Energy-efficient
- High resolution, excellent readability
- Long-term availability
- Configurable

Energy efficient and lightweight

The VisiWeb LED front display sets new standards in energy efficiency and weight. The advanced LED technology reduces energy consumption, and the use of lightweight materials provides an optimal balance between stability and lightness. Both characteristics lower operating costs and ensure sustainable operation."

For both new and refit projects

The display is suitable for use in newly manufactured vehicles as well as replacing obsolete components in refit projects or as a second-source component.

Technical Specifications VisiWeb® LED Front Display

Mechanical Properties	
Dimensions	[Width x Height x Depth]: 1300 x 247 x 48 mm
Weight	6,6 kg
Housing color	RAL 9005 (configurable, according to customer requirements)
Active area	144 x 1200 mm
Technology	LED Display Color: 583 nm – 595 nm (Amber, configurable according to customer req's)
Display brightness	180 mcd – 355 mcd per LED
Number of LEDs	36 x 300 (10800)
Pixel pitch	4 mm
Viewing angle (CR>10)	L/R ±60°, U/D ±60° (horizontal, vertical)
Interfaces	Ethernet (TCP/IP), Power
Electrical Properties	
Nominal voltage	Optionally 24 – 48VDC or 72 – 110VDC
Voltage range	16.5 – 75VDC oder 43 – 160VDC
Power consumption	83W (max)
Environmental Properties	
Temperature range (operation)	-25 °C bis +70 °C
Temperature range (storage)	-40 °C bis +75 °C
Protection class	IP30

Requirements	
Railway applications	EN 50155 2017 / IEC 60571: 2012 EN 50125-1: 2014 / IEC 62498-1: 2010 TSI 2008/57/EC TSI-PRM 2008/57/EC TSI-SRT 2008/163/EC TSI-RST-HS 2008/232/EC
Electrical requirements	Emission: EN 50121-3-2 (2020) / IEC 62236-3-2 (2018) Immunity: EN 50121-3-2 (2020) EN 50155 (2017) EN 50153: 2018 / IEC 61991: 2019 IPC-A-610E; Class 2
Fire protection requirements	EN 45545-1, -2: 2020 Operation category: Class 1-4 Hazard level: HL 1-3 TSI-RST-HS 2008/232/EC; category B (Options V>190km/h)
Vibration and shock sensibility	IEC 61373:2011
Climate/Environmental conditions	EN 50155 2017/AC: 2012 / IEC 60571: 2012 Temperature: Class OT3 EN 50125-1: 2014 / IEC 62498-1: 2010 Altitude: Class A1 Temperature: Class OT 3 IEC 60068-2-1, -2, -30 IEC 60721-3-5: 1998 Humidity: Category 5K2

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