

FULL COLOR LED DISPLAY

Opening up new dimentions

The fine pitch of Wabtec's Full Color LED display is the perfect companion for rich travel information outdoors in access doors, side of cars, behind windows, front of trains, or even indoor. Its remarkable vividness with color accuracy provides impressive images, animations and videos in all light conditions.

iSmart Display portfolio provides aesthetic design and high visual rendering through lean design, immersive experience, seamless integration and smart technology.

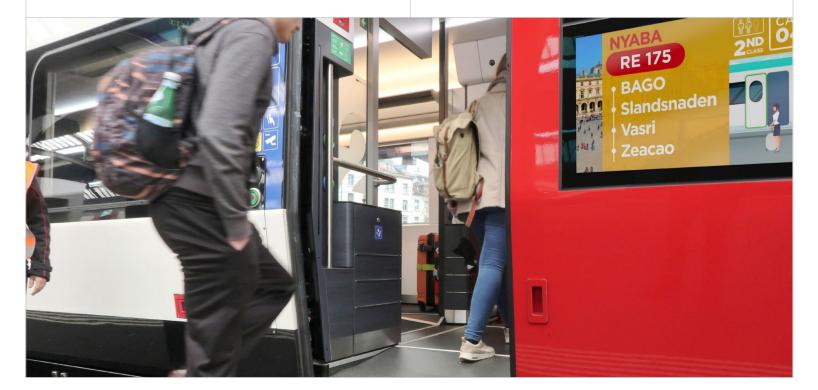
KEY FEATURES

Custom High-Resolution Color LED Display Designed for Intensive Outdoor Use

Low energy consumption Extended temperature range for outdoor operation in direct sunlight

Stability in high brightness and colors for contrast and TSI compliance over the display lifetime

Long lifetime up to 30 years, compatible with any mid-life overhaul



PRODUCT'S LEVEL OF MATURITY

| Concept | |
|---------|--|
|---------|--|

Under Development

Available

PRODUCT SPECIFICATION

| LED-PANEL | | |
|---------------------|------------------------------|--|
| Technology | SMD-LED RGB | |
| Size | On demand | |
| Minimal pixel pitch | 1.5 mm | |
| Display color | 16.7 million | |
| Brightness | Up to 4000 cd/m ² | |
| Contrast | 1000 000:1 | |
| LED lifetime | Up to 15 years | |

CONTROLLER

| Operating system | LINUX |
|------------------|--|
| Ethernet network | 100MBit/s |
| Protocols | VDV301, ITxPT, HTML, MQTT, SNMP, WebRTC, RTSP, PDI, TrainIT, TRDP (IEC61375-2-3), CIP, IPTCOM |

OPERATION

| Temperature range in operation | EN 50155 OT3, -25 °C to +70 °C |
|--------------------------------|--------------------------------|
| Power supply | 110 V DC, 72 V DC, 24 V DC |

STANDARDS

| Railway applications | EN 50155:2017 |
|----------------------|--------------------|
| EMS | EN 50121-3-2:2015 |
| Fire safety | EN 45545-2:2020-10 |

CONTACT

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