**Wabtec**
CORPORATION

# FULL COLOR
# LED DISPLAY

*Opening up new dimensions*

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 LED Construction**
Thanks to our in-house assembling process, we can deliver full color LED Display which can be perfectly integrated in all applications.

**Great Readability**
Of reach content at any distance due to the fine pitch and the high-resolution.

**Brightness Guaranteed for 15 Years**
Thanks to unique intelligent luminosity management, full color LED display has a constant luminosity and a much longer life.

## PRODUCT'S LEVEL OF MATURITY

Concept          **Under Development**          Available

## PRODUCT SPECIFICATION

### LED-PANEL

| | |
|---|---|
| Technology | SMD-LED RGB |
| Visible area | On demand |
| Resolution | Up to HD |
| Minimal pixel pitch | 1.5 mm |
| Display color | 16.7 million |
| Brightness | 2000 cd/m² |
| Contrast | 1000 000:1 |
| LED lifetime | >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 |