Adding displays in the platform area can be a challenge. So why not install partition glasses, and integrate the display into them? This is one of the main concepts behind Wabtec’s iSmart Partition Glass: Smart integration of a removable double-sided display into a glass partition.

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

**KEY FEATURES**

**Easy Maintenance**
The display can be removed from the glass partition without disassembling the partition glass itself.

**High Safe Load Partition at Only 30 mm Thick**
iSmart partition glass is made of an innovative, very-compact stack of two TFT screens inserted between 2 safety glasses.

**Double Sided**
Independent content on each display side.

**Low Consumption**
Wabtec’s unique back light technology reduces the energy consumption of the iSmart Display by 40% and increases its lifetime.
**PRODUCT’S LEVEL OF MATURITY**

<table>
<thead>
<tr>
<th>Concept</th>
<th>Under Development</th>
<th>Available</th>
</tr>
</thead>
</table>

**PRODUCT SPECIFICATION**

### TFT PANEL

- **Technology**: LCD TFT
- **Screen diagonal**: 21.5” (other size on request)
- **Aspect ratio**: 9:16
- **Maximum brightness**: 700 cd/m² (typ.)
- **Contrast**: 1000:1 (typ.)
- **Viewing angle**: Horizontal 176° (typ.), vertical 176° (typ.)
- **LED backlight lifetime**: 100,000 h

### CONTROLLER

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

### HOUSING

- **Enclosure material**: Glass + aluminum
- **Protection class acc. EN 60529**: IP54 (higher on request)
- **Glass**: Safety glass
- **Thickness of the partition**: 30 mm
- **Maximum safe load**: 2 kN / 0.01 m²

### 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

- **Interior glazing for rail vehicles**: EN17530
- **Electronics for rail vehicles**: EN 50155
- **EMC**: EN 50121-3-2
- **Fire safety**: EN 45545-2
- **Shock and vibration**: EN61373 – 1B

---

**CONTACT**

Wabtec Corporation
3 Rue du 19 MARS 1962
92230 – Gennevilliers
Phone: +33 1 48 13 65 00
Email: info.cctvpis@wabtec.com