Wabtec
CORPORATION

iSMART
STRIP DISPLAY

Opening up new dimentions

iSmart Strip Display is a great replacement for conventional reservation, ceiling, and partition displays in coaches. Its ideal location under the luggage rack provides all journey information near the passengers: seat reservation, next stops, toilet occupancy, bar direction, Wi-Fi status, special messages, breaking news. The location of reservation information follows the moving chair.

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

KEY FEATURES

**Custom Construction
LCD TFT or RGB LED**
Thanks to our in-house cutting and assembling processes, we can deliver either LCD-TFT or full color LED panels which can be perfectly integrated under the luggage rack.

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

PRODUCT'S LEVEL OF MATURITY

Concept   Under Development   **Available**

LCD TFT DISPLAY SPECIFICATION

SCREEN PANEL

Technology	LCD TFT
Screen diagonal	55" 1/9 cut = 37" (other size on request)
Aspect ratio	2 x 16:1
Maximum brightness	1000 cd/m² (typ)
Brightness control	By ambient brightness
Contrast	1000:1 (typ.)
Viewing angle	Horizontal 178° (typ.), vertical 178° (typ.)
LED backlight lifetime	100 000h

CONTROLLER

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

HOUSING

Enclosure material	Aluminum
Protection class acc. EN 60529	IP54 (higher on request)
Front Glass	Laminated safety glass 4.38 mm
Anti-reflection coating	Chemical or optical

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

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Concept　　　　　　　　Under Development　　　　　　Available

FULL COLOR LED DISPLAY SPECIFICATION

SCREEN PANEL

Technology	COB-LED RGB
Size	2400mm x 56mm (other size on request)
Resolution	2560 pixels x 60 pixels (0.9 mm pitch)
Maximum brightness	700 cd/m² (typ)
Brightness control	By ambient brightness
Contrast	1000 000:1
Viewing angle	Horizontal 176° (typ.), vertical 176° (typ.)
LED backlight lifetime	100 000h

CONTROLLER

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

HOUSING

Enclosure material	Aluminum
Protection class acc. EN 60529	IP54 (higher on request)
Front Glass	Laminated safety glass 4.38 mm
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