

# DMI-110

10" RAILWAY MONITOR

**VDS Rail**  
The onboard networking  
company

The DMI-110 VGA Railway Monitor is designed to provide a robust and versatile solution for rolling stock applications. With support for a wide range of operating voltage and a top-level mechanical enclosure, the DMI-110 is ready for harsh environments and is compliant with EN50155.



## HIGHLIGHTS

- ROLLING STOCK APPLICATIONS
- EN 50155 COMPLIANT
- OPERATIONAL TEMPERATURE: -25°C/+85°C ACCORDING TO EN 50155 - T3 CLASS
- WIDE OPERATING VOLTAGE RANGE
- TOUCH SCREEN VERSION AVAILABLE
- AUTOMATIC BRIGHTNESS ADJUSTMENT
- RATED IP65 ON FRONT PANEL

## Technical specifications

### Approvals/Compliance

Governing standard	EN 50155 Railway Applications (Electronic equipment used on rolling stock)
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### Approvals/Compliance (EMC)

Electromagnetic compatibility rolling stock apparatus	EN 50121-3-2
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### Approvals/Compliance (Environment)

Environmental test	EN60068-2-1
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Guidelines for fire protection - Evaluation of fire behavior of materials	UNI CEI 11170-3
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Shock & Vibration	EN 61373
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Temperature range	-25°C/+70°C (-25°C/+85°C for 10 minutes according to EN50155 -T3 class)
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### Display

Colors	256 K
Contrast	600:1 (typ)
Luminance	450 cd/m <sup>2</sup> (typ)
Resolution	640 x 480 (VGA)
Size	10.4"
Type	LCD TFT color

### Environment

Front panel IP rating	IP 65
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### Input signals

1x VGA input port 15 pin, High Density, D-SUB, female
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### Physical data

Back dimensions	280 x 204 mm
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Depth	46 mm
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Front dimensions	310 x 214 mm
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### Power supply

Max consumption	15 W
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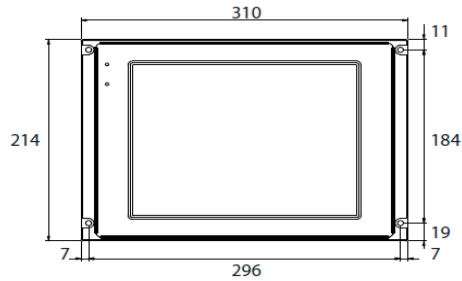
Voltage range	14,4 ÷ 40 Vcc
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# DMI-106

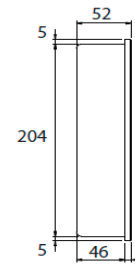
6.5" RAILWAY MONITOR

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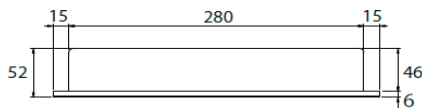
## Wall Mounting



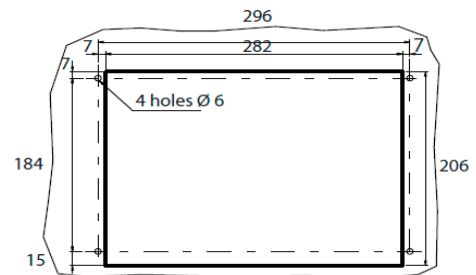
FRONT VIEW



SIDE VIEW



TOP VIEW



PANEL CUT OUT

## Ordering codes

### DMI-110 24 Vdc version

**DM110M** DMI-110 VGA Railway Monitor, 24 Vdc, display 640x480**DM110P** DMI-110 VGA Railway Monitor, 24 Vdc, display 800x600

### DMI-110 72/96/110 Vdc version

**DM110N** DMI-110 VGA Railway Monitor, 72/96/110 Vdc, display 640x480**DM110Q** DMI-110 VGA Railway Monitor, 72/96/110 Vdc, display 800x600

### OPTIONS

**DM10TS** 10.4" resistive touch screen**DM0068** M23 power connector + 2 pins**DM0070** Display settings controller (RS-232)