

# P6105

10.4" XGA TFT EN 50155 Railway Touch Display (-25°C to +55°C)

## Features

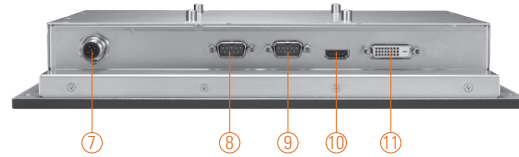
- EN 50155 certified monitor for railway application
- 10.4" high brightness XGA TFT touchscreen LCD
- Wide viewing angle and high brightness 500 nits
- DVI-D and HDMI with multiple video inputs
- Light sensor for auto-dimming (optional)
- 24 VDC or 110 VDC power input
- -25°C to +55°C wide temperature range
- Supports 5 keys OSD
- Optional IR remote control



1. Menu
2. SEL+
3. SEL-
4. Exit
5. Power LED
6. Power switch



▲ Side view



7. DC power input
8. IR remote control (RS-232)
9. T/S port (RS-232)
10. HDMI
11. DVI-D



## Introduction

The EN 50155 railway touch display P6105 adopts a 10.4-inch XGA TFT LCD with 500 nits brightness and a 5-wire resistive touch screen with IP65-rated aluminum front bezel to provide protection of liquid damage and user friendly control interface.

### Wide Temperature (-25°C to +55°C)

The Axiomtek 10.4-inch railway touch monitor adopts extended temperature technology with a wide range from -25°C to +55°C and fanless cooling system as well as super compact design for transportation & harsh environment.

### High brightness 500 nits with wide viewing angle

The railway grade EN 50155 touchscreen display P6105 adopts a high brightness 500 nits 10.4-inch LCD with sunlight readable technology. The screen is legible even under strong sunlight and is readable under skies outdoor in parking lots and more. With its wide viewing angle, user won't miss information on the display.

### Anti-vibration for railway

With an anti-vibration design and EN 50155 class T1 certification, the Axiomtek rugged 10.4" railway touch display can work perfectly on the train.

## Specifications

Front Bezel	NEMA 4/12 (IP65)-compliant, metal front bezel	
LCD Panel	Display Type	10.4" TFT XGA LCD
	Max. Resolution	1024 x 768
	Max. Colors	16.2M/262k
	Active Area (mm)	210.4 (H) x 157.8 (V)
	Pixel Pitch (mm)	0.0685 (H) x 0.2055 (V)
	Response Time	25ms
	Backlight	LED
	Backlight MTBF	50,000 hrs
	Viewing Angle (H/V)	176°/176°
	Contrast Ratio	1000 (TYP.)
Brightness (cd/m <sup>2</sup> )	500 nits	
Display Control	OSD (on screen display)	
Display Mode	VGA 640 x 480 (60/72 Hz)	
	SVGA 800 x 600 (60/72 Hz)	
	XGA 1024 x 768 (60/72 Hz)	

## Specifications

Input Signal	HDMI DVI (Only for DVI-D) Touchscreen: serial RS-232 interface IR remote control
I/O Connectors	1 x RS-232 for touchscreen version 1 x HDMI 1 x DVI-D 1 x DC power input 1 x RS-232 for IR remote control
Power Adapter	24VDC or 110VDC power input
Power Consumption	24 V, 16 W
Touchscreen	Thickness Resistive: 2.2 mm Light Transmission Resistive: 80% Power Consumption Resistive: +5V @ 100mA Touch Life Resistive: 35million touches Controller interface: RS-232 D-type 9-pin male connector
Dimensions	310 mm (12.20") (W) x 49 mm (1.94") (D) x 214 mm (8.43") (H)
Packing Dimensions	372 mm (14.65") (W) x 175 mm (6.89") (W) x 412 mm (16.2") (H)
Weight (net/gross)	2.2 kg (4.85 lb) /3.45 kg (7.61 lb)
Environment	Operating temperature: -25°C ~ +55°C (-13°F ~ +131°F) Relative humidity: 20%~90% @40°C, non-condensing
Certificate	CE/EN 50155

## Ordering Information

P6105DPR-24VDC	10.4" XGA railway touch display with EN 50155 and 24 VDC power input
P6105DPR-110VDC	10.4" XGA railway touch display with EN 50155 and 110 VDC power input

\* Specification and certifications are based on options and may vary.



## Dimensions

