P712

12.1" XGA TFT LCD Railway Touchscreen Monitor (-25°C to +55°C)



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

Features

- EN 50155 and EN 45545-2 certified railway monitor
- 12.1" high brightness XGA TFT touchscreen LCD
- Wide viewing angle and a high brightness of 600 nits
- Supports VGA, DVI-D, and HDMI
- Light sensor for auto-dimming
- Typical 24 to 110 VDC wide power input
- -25°C to +55°C wide temperature range
- Supports 5 OSD keys on the front bezel









- 7. DC power input
- 8. 1 x RS-232 (touch & remote control)
- 9.1 x VGA
- 10.1 x HDMI

- 11. 1 x DVI-D
- 12. 1 x Line-in
- 13. Speaker







A Rear view

Introduction

The EN 50155 certified railway touchscreen monitor P712 adopts a 12.1-inch XGA TFT LCD with 600 nits brightness and a 5-wire resistive touchscreen with IP65rated aluminum front bezel to provide protection against liquad damage and user friendly control interface.

Wide Temperature (-25°C to +55°C)

The Axiomtek 12.1-inch railway touchscreen monitor supports a wide temperature range from -25°C to +55°C. Its fanless cooling system and compact designs are suited for rolling stock applications as well as other harsh environments.

600 nits High Brightness with Wide Viewing Angle

The railway-grade P712 adopts a high brightness of 600 nits 12.1-inch LCD with sunlight readable technology. The screen is legible even under strong sunlight. Additionally, with its wide viewing angle feature, users won't miss any information.

Anti-vibration for Railway

With the anti-vibration design and EN 50155 and EN 61373 Cat. 1 Class B complied, the rugged 12.1" railway touchscreen monitor can work perfectly on a train.

Specifications

Display Type	Front Bezel	IP65-rated aluminum front bezel and IP40-rated rear protection		
Max. Colors 16.7M/262k		Display Type	12.1" XGA TFT LCD	
Active Area (mm)		Max. Resolution	1024 x 768	
Pixel Pitch (mm)		Max. Colors	16.7M/262k	
Response Time 25ms Backlight LED Backlight MTB 50,000 hrs Viewing Angle (H/V) 178*/178* Contrast Ratio 1000 (TYP) Brithess (cd/m) 600 nits Display Control OSD (on screen display) Display Mode VGA 640 × 480 (60/72 Hz) YGA 640 × 480 (60/72 Hz) YGA 800 x 600 (600 (60/72 Hz) YGA 800 x 600 (600 (60/72 Hz) YGA 1024 x 768 (60/70 Hz) HDMI DVI-D Line-in Multi-function of T/S & remote control VO Connectors 1 x M12 A-coded Male 5-pin DC-in 1 x DVI-D 1 x VGA 1 x HDMI 1 x Line-in Resistive: 35 million touches Controller Interface Re-232 D-type 9-pin male connector Dimensions 30 mm (12.99*) (M) x 50.2 mm (1.98*) (D) x 245 mm (9.65*) (H) Packing Dimensions Sol mm (20.48*) (W) x 196 mm (7.72*) (D) x 552 mm (21.74*) (H) Weight (net/gross) Coperating Temperature 20% to 90% @ 440*C, non-condensing 20% to 90% @ 440*C, non-condensing 20m (20.48*) (W) x 196 mm (7.72*) (D) x 552 mm (21.74*) (H) Weight (net/gross) 20% to 90% @ 440*C, non-condensing 20% to 90% @ 440*C, n		Active Area (mm)	245.76 (H) x 184.32 (V)	
Backlight MTBF \$0,000 hrs Viewing Angle (H/V) \$178°178° Contrast Ratio 0000 (TVP.) Brightness (cd/m²) 600 nits Display Control OSD (on screen display) Display Mode VGA 640 x 480 (60/72 Hz SVGA 800 x 600 (60/72 Hz SVGA 800 x 60 (60/72 Hz SVGA 800 x 600 (60/72		Pixel Pitch (mm)	0.24 (H) x 0.24 (V)	
Backlight MTBF \$0,000 hrs \$Viewing Angle (H/V) \$178*/178* \$00 mts \$Pightness (cd/m') \$00 mts \$Pightness (cd/m') \$00 mts \$Pightness (cd/m') \$Pightness (cd/m		Response Time	25ms	
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Brightness (cd/m²) 600 nits		Viewing Angle (H/V)	178°/178°	
Display Control OSD (on screen display) Display Mode VGA 640 x 480 (60/72 Hz) SVGA 800 x 600 (60/72 Hz) SVGA 800 x 600 (60/72 Hz) Input Signal VGA HDMI DVI-D Line-in Multi-function of T/S & remote control I/O Connectors 1 x M12 A-coded Male 5-pin DC-in 1 x Multi-function of T/S & remote control 1 x DVI-D 1 x VGA 1 x HDMI 1 x Line-in Power Supply Typical 24 VDC to110 VDC Power Consumption 24-110VDC, 0.88-0.19A Touchscreen Thickness Resistive: 2.2 mm Light Transmission Resistive: 35 million touches Controller Interface RS-232 D-type 9-pin male connector Dimensions 330 mm (12.99") (W) x 50.2 mm (1.98") (D) x 245 mm (9.65") (H) Packing Dimensions 220 mm (20.48") (W) x 196 mm (7.72") (D) x 552 mm (21.74") (H) Weight (net/gross) 2.3 kg (5.07 lb)/4.36 kg (9.62 lb) Operating Temperature -25°C to +55°C (-133°E to +131°E) Relative Humidity 20% to 90% @ +40°C, non-condensing		Contrast Ratio	1000 (TYP.)	
Display Mode		Brightness (cd/m²)	600 nits	
SVGA 800 x 600 (60/72 Hz) XGA 1024 x 768 (60/70 Hz)	Display Control	OSD (on screen display)		
NGA 1024 x 768 (60/70 Hz)	Display Mode	VGA 640 x 480 (60/72 Hz)		
Input Signal		• •		
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Certifications CE, FCC, EN 50155, EN 50121-3-2, EN 61373, and EN 45545-2 certified	Relative Humidity	20% to 90% @ +40°C, non-condensing		
	Certifications	CE, FCC, EN 50155, EN 502	CE, FCC, EN 50155, EN 50121-3-2, EN 61373, and EN 45545-2 certified	

Ordering Information

P712-RS1-M 12.1" XGA LCD railway touchscreen monitor with 24 to 110 VDC power input (P/N: E226712100)

Packing List

1 x P712 unit

1 x RS-232 cable (for resistive touch)

1 x HDMI bracket

1 x Cable tie

1 x Cable clamp

2 x Screw M3*5L

Optional Accessories

594B8120B30E DC in cable M12 female 5P 180cm w/o ACC

^{*}Specifications and certifications may vary based on different requirements.

Dimensions









