

TRIDENT DISPLAYS

OEM TFT LCD CHASSIS MONITORS – 12.1"



Perfect for industrial and EPOS:

- Easy to mount chassis packages
- New high performance 12" 300cd LCD
- Touchscreen options
- Full analogue solution including cables
- Full local support from Trident Displays
- 3-year warranty (excluding backlight)
- Bright TFTs for strong colours and high visibility
- Compact mechanical outline
- AV Pal / NTSC input options

TFT LCD Chassis Monitors 12" SVGA 300cd

The Trident range of OEM chassis LCD monitors has been established to assist engineers looking to incorporate TFT monitors in their products without sourcing panels, interfaces, inverters and cables individually. All the products in the range are mounted on simple, neat metal chassis, with all the electronics shielded to simplify overall-design CE certification. Each is complete with analogue CRT-style interface. Each has a simple on-screen-display menu set up and the package includes mains power supply and VGA cable.

Features:

- ☐ New high quality TFT LCD – 12" 300cd/m² 800x600 resolution
- ☐ Long-life backlights – 20,000 hours
- ☐ Pre-drilled holes in metal chassis and simple mounting provision for easy implementation
- ☐ Full-screen expansion from VGA
- ☐ Easy to use OSD allowing quick set up; features auto-setup
- ☐ Resistive touch available on 12" models
- ☐ Separate mains PSU 110-250v.
- ☐ Standard analogue interface for direct connection to PC VGA port

Additional features:

- ☐ AV (PAL / NTSC) input available for CCTV / entertainment / multimedia applications

Trident Displays Ltd
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❑ Specification

	12" 300cd
Display area W x H (mm)	249 x 187
Maximum No of pixels	800 x 600
Overall size (exc. connectors & controls mm)	289 x 241 x 30
Display Colours	256k
Pixel pitch mm	0.30 x 0.30
Contrast ratio	200:1 (Typical)
Touch type	Resistive (option)
LCD Response time	40ms typical
Brightness	300 cd/m ²
Back-light life (mean time to 50% brightness)	20,000hrs

❑ Operational

Display resolution	800 x 600 for 12", 1 accepts 640x480, 800x600
Video signal	Analog RGB 0.7p-p, Impedance 75 Ohms separate sync, VGA cable supplied
Vertical frequency	56 to 76 Hz
OSD	On screen Display (Menu system for monitor set up)
Sync	Auto sync

❑ System requirements

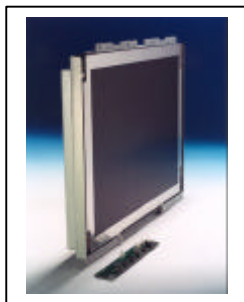
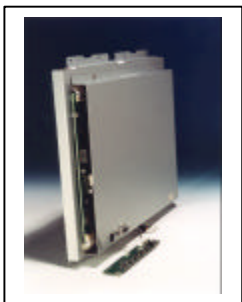
Power supply	100V to 240V mains psu supplied. Output 12.0V
Power consumption	Operating 25W (typical), 5 watts in standby. DPMS provided

❑ Environmental

Operational temperature	5°C to 40°C
Temperature storage	-20°C to +60°C
Humidity	30 to 85% RH operating, non-condensing
MTBF unit	> 50,000 hours not including backlight

❑ Mechanical

Material	Chassis of metal construction
Warranty	3years panel and electronics, 1year backlights
Weight	3 KGs (Approx). 12"



Options include:
PAL / NTSC input
Resistive touch
Protective window

Please note:
Trident checks all published information but cannot accept any responsibility for errors or improvements.

Trident also has a full range of complete, fully housed touch monitors with CE certification. Ask for details.

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