

## 10.4" Titan Commercial Grade LED Display

### Electrical Description

#### Display Characteristics:

Type: 10.4" Active Matrix TFT  
Dot Number: 800 x 600 Pixels  
Dot Pitch: 0.297mm  
Response Time: 25ms Average- Typical  
Contrast Ratio: 700:1 Typical  
Brightness/Light Intensity: 500 cd/m<sup>2</sup> Daylight Readable  
Viewing Angles (at CR>10): 80° Left/Right, 80° Up/ Down  
Backlight Life: 50,000 Hours- Typical  
Colour Depth: 16.7 Million (Depending on Graphics Card)

#### Dimming Circuit:

Range: Full Brightness to Black

#### DVI-D Input:

Digital Interface: DVI 1.0 Compatible Interface  
85Hz Operation

#### Analog RGB Input:

Analog Interface: 85 Hz Maximum Analog Bandwidth  
0.5V to 1.0V Analog Input Range  
Sync-on-Green (-ve) 0.3V

#### Composite Video Input:

Composite Interface: PAL, NTSC—Full Screen Image with  
quick toggle to VGA

#### Synchronisation Range:

Horizontal Scan: 31.469-79.976 kHz\*  
Vertical Scan: 56-87 Hz\*

*\*Depending on resolution*

#### Resolutions:

VESA Support for: 800 x 600 SVGA\*  
640 x 480 VGA

*\*Recommended for optimised resolution*

#### Active Display Area:

Active Display Area: 304.128 mm x 228.096 mm

#### Input Voltage:

AC to DC Power Supply: 115VAC Input / 12VDC Output

#### Power Consumption:

2.4A (29W) @ 12VDC Max.

#### Environmental:

\*Operating Temp: -4 to +158°F / -20 to +70°C  
Storage Temp: -13 to +167°F / -25 to +75 °C  
Operating Humidity: 30% to 90% (Non-Condensing)  
Storage Humidity: 10% to 90% (Non-Condensing)  
Shock: 10g, 11msec ½ Sine Wave  
Vibration: +/-1mm, 2 to 13Hz:0.7g 13 to 100Hz

*\*We DO NOT recommend routine operation @ extreme temperatures.*

### Mechanical Description

#### Construction:

Finish: Black Fine Textured Semi Gloss  
Powder Coat  
Housing: Cold Rolled Steel with Anti  
Corrosion Paint  
Ventilation: Convection

#### Mounting Style:

Surface: Standard Surface mount with  
optional Flush (embedded) Mount  
Brackets, or RAM Pedestal Mount  
Panel Cut-Out Size (mm): 9.24" (235) W X  
6.89" (175) H

#### Dimensions:

10.24" (260) W X  
8.78" (223) H X  
Display (mm): 1.57" (40) D

#### Weight:

Weight (kg): 5 lbs (2.3)

#### Input Connectors:

RGB Signal: 15 Pin Male VGA Connector  
Composite Signal: Male BNC Connector  
Power: Barrel Connector

#### Menu Controls:

Via Front Mounted Buttons: OSD Picture Features:  
Size, Position, Colour and Input  
Selection

### Approvals / Warranty

**Compliance (Pending):** CE:IEC60945/ CISPR22 / EN  
55022 FCC Part 15 Section 15.109

**Limited Warranty:** 2 Year

### Ordering Codes

#### Configuration:

10.4" Titan Display: 29-1010  
*Please select external power supply from list below...*

#### External Power Supply:

External 115VDC: Standard  
External 12V DC: Optional  
External 24V DC: Optional

#### Shipping:

Carton Size (cm): 21" (53) W x 20" (51) H x 10" (25) D  
Weight (kg): 26 lbs (12)

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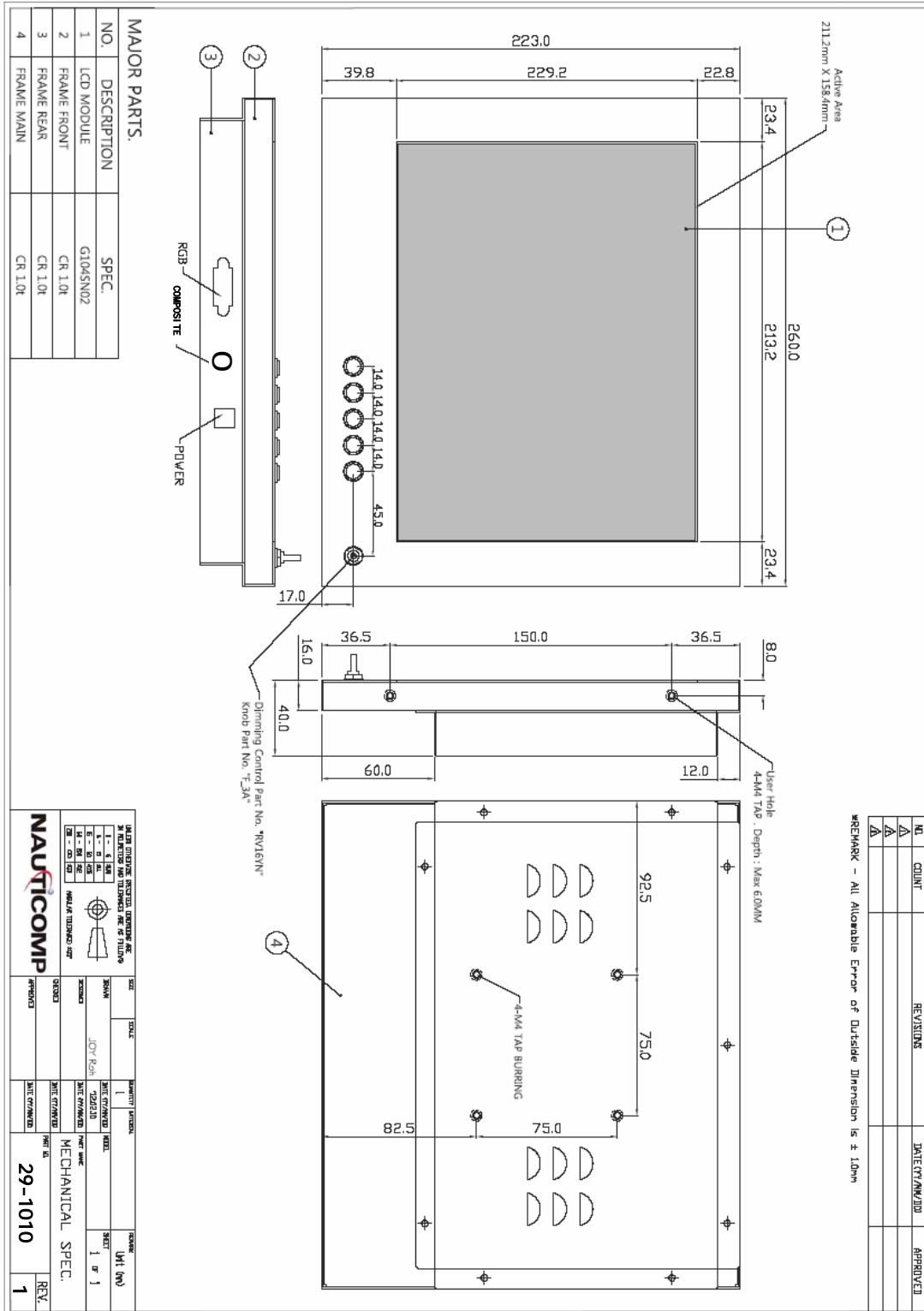
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Due to a policy of continuous product development NAUTICOMP reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.

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