

## 15.0" Signature Series II Display – LED

### Electrical Description

#### Display Characteristics:

Type: 15.0" Active Matrix TFT  
Dot Number: 1024 x 768 Pixels  
Dot Pitch: 0.297mm  
Response Time: 25ms Average – Typical  
Contrast Ratio: 700:1 Typical  
Brightness/Light Intensity: 750 cd/m<sup>2</sup> (Enhanced for Sunlight Readability)  
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  
with "Dim to Red" at any level

#### 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 & SECAM with 'Picture In  
Picture' PIP Facility

#### Synchronisation Range:

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

*\*Depending on resolution*

#### Resolutions:

VESA Support for: 1280 x 1024 SXGA  
1024 x 768 XGA\*  
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:

DC Input: 12.1V DC Regulated  
*Via external power supply - Refer to ordering codes...*

#### Power Consumption:

1.5 A (18 W) 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: Preformed Aluminium  
Sealing: Waterproof NEMA 6 / IP67  
Toughened Safety Glass : Bonded, Contrast Enhancing,  
Optically Coated and Polarized  
Ventilation: Convection

#### Mounting Style:

Surface (mm): Surface Mounted w/1.275" (32.37)  
Protruding and Fastened with 4 8-32  
Mounting Studs  
Panel Cut-Out Size (mm): 12.795" (324.99) W X  
9.509" (241.53) H

#### Dimensions:

Display (mm): 15.407" (391.34) W x  
10.806" (274.48) H x  
3.200" (81.27) D

#### Weight:

Weight (kg): 12 lbs (5.4)

#### Input Connectors: (rated @ NEMA 6 / IP67)

2x RGB Signal: 2 15 Pin Male Circular Connectors  
1x DVI Signal: 19 Pin Male Circular Connector  
3x Composite Signal: 6 Pin Male Circular Connector  
Power: 2 Pin Male Circular Connector

#### Menu Controls:

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

### Approvals / Warranty

Compliance (Tested To): CE/IEC60945/ CISPR22 / EN  
55022 FCC Part 15 Section 15.109

Limited Warranty: 3 Year

### Ordering Codes

#### Configuration:

15.0" Signature Series II Display: 26-1510  
*Please select external power supply from list below...*

#### External Power Supply:

External 115/230V: 00-0301  
External 12V DC: 00-0302  
External 24V DC: 00-0303

#### Shipping:

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

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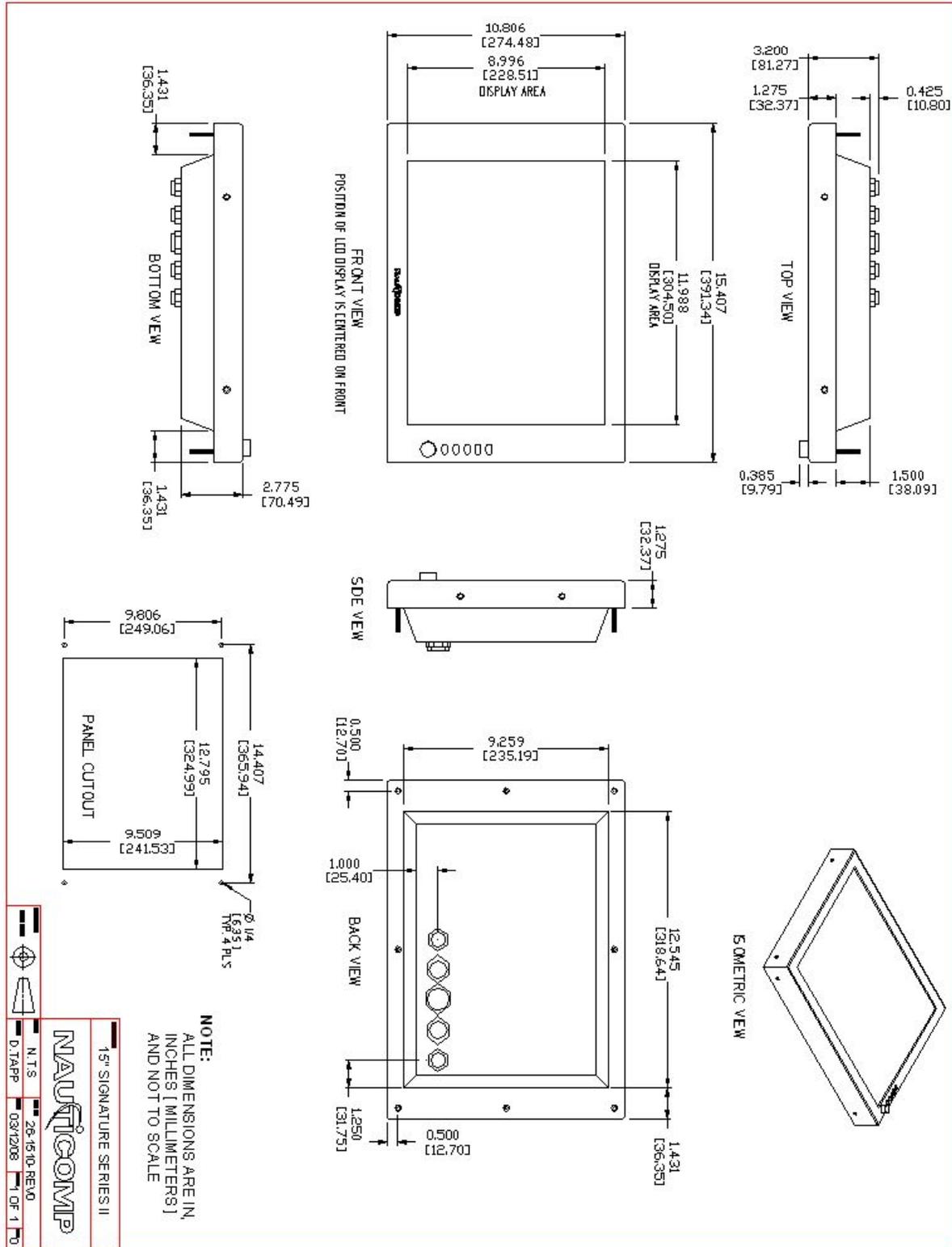
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Due to a policy of continuous product development NAUTICOMP reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.

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