

## 19.0" Genesis Series Display

### Electrical Description

#### Display Characteristics:

Type: 19.0" Active Matrix TFT  
Dot Number: 1280 x 1024 Pixels  
Dot Pitch: 0.294mm  
Response Time: 25ms Average- Typical  
Contrast Ratio: 1500:1 Typical  
Brightness/Light Intensity: 750 cd/m<sup>2</sup>(Enhanced for Sunlight Readability)  
Viewing Angles (at CR>10): 89° Left/Right, 89° 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

#### 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: 376.32 mm x 301.06 mm

#### Input Voltage:

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

#### Power Consumption:

5.0 A (61 W) Max.

#### Environmental:

\*Operating Temp: 32 to +131°F / 0 to +55°C  
Storage Temp: -4 to +140°F / -20 to +61 °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" (32.39)  
Protruding and Fastened with 4  
Mounting Studs  
Panel Cut-Out Size (mm): 15.204" (386.17) W x  
11.985" (304.42) H

#### Dimensions:

17.905" (454.79) W x  
Display (mm): 13.684" (347.58) H x  
2.947" (74.84) D

#### Weight:

Weight (kg): 14 lbs (6.4)

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

RGB Signal: 15 Pin Male Circular Connector  
DVI Signal: 19 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

### Approvals / Warranty

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

**Limited Warranty:** 2 Year

### Ordering Codes

#### Configuration:

19.0" Genesis Series Display: 24-1910LED  
*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): 23" (58) W x 22" (56) H x 11" (28) D  
Weight (kg): 34 lbs (15.5)

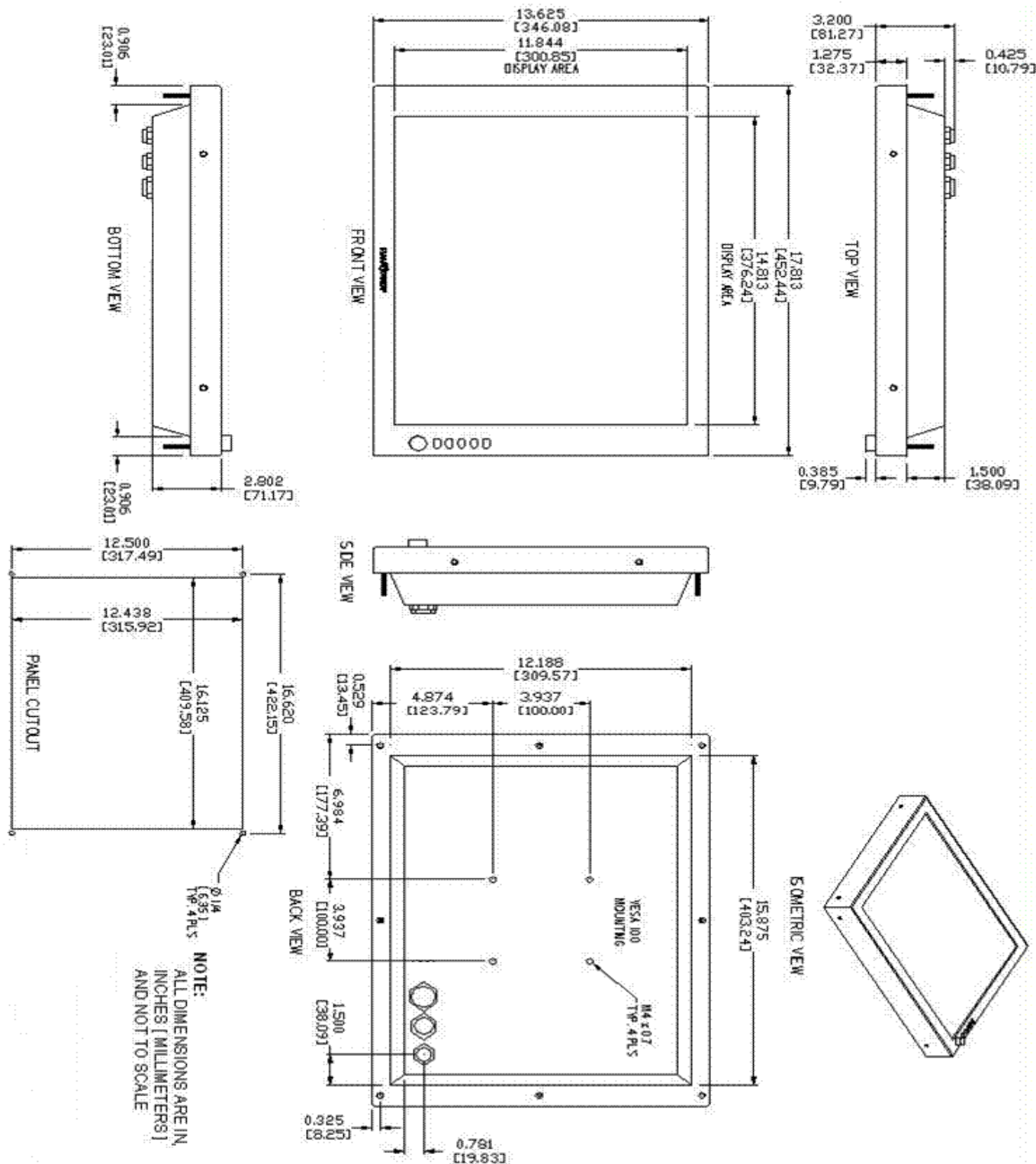
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