12.1” Sunlight Infinity Display

Electrical Description

Display Characteristics:

Type:	12.1” Active Matrix TFT
Dot Number:	1024 x 768 Pixels
Dot Pitch:	0.24mm
Response Time:	50ms Average– Typical
Contrast Ratio:	250:1 Min.
Brightness / Light Intensity:	Enhanced to 1200cd/m² (Nits)- Typical
Viewing Angles (at CR>10):	60° Left/Right, 50° Up & 50° Down
Backlight Life:	25,000 Hours– Typical
Colour Depth:	16.7 Million (Depending on Graphics Card)

Dimming Circuit:

Range: Full on to Black

Analog RGB Input:

Analog Interface: 75 Hz Maximum Analog Bandwidth
0.5V to 1.0V Analog Input Range
Sync-on-Green (-ve) 0.3V

Synchronisation Range:

Horizontal Scan: 31.469-60.023Hz*
Vertical Scan: 56.25-75.029 Hz*

**Depending on resolution*

Resolutions:

VESA Support for: 1024 x 768 XGA*
800 x 600 SVGA
640 x 480 VGA

**Recommended for optimised resolution*

Active Display Area:

Active Display Area: 246.06mm x 184.55mm

Input Voltage:

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

Power Consumption:

3.0 A (38 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:	Gray 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 with 1 5/8” (41.28) Protruding and Fastened with 4 Mounting Studs
Panel Cut-Out Size (mm):	11 13/64” (284.56) x 8 35/64” (217.09)

Dimensions:

Display (mm): 12 29/32” (327.82) W x 9 29/32” (251.62) H x 2 57/64” (73.42) D

Weight:

Weight (kg): 7 lbs (3.2)

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

RGB Signal: 15 Pin Male Connector
Power: 2 Pin Male Circular

Menu Controls:

Via Front Mounted Buttons: OSD Picture Features: Size, Position, Colour, Auto-Tune

Approvals / Warranty

Compliance: CE:IEC609451 CISPR22 / EN 55022 FCC Part 15 Section 15.109
Limited Warranty: 2 Year

Ordering Codes

Configuration:

12.1” Sunlight Display: 18-1210
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): 26.0 lbs (12)

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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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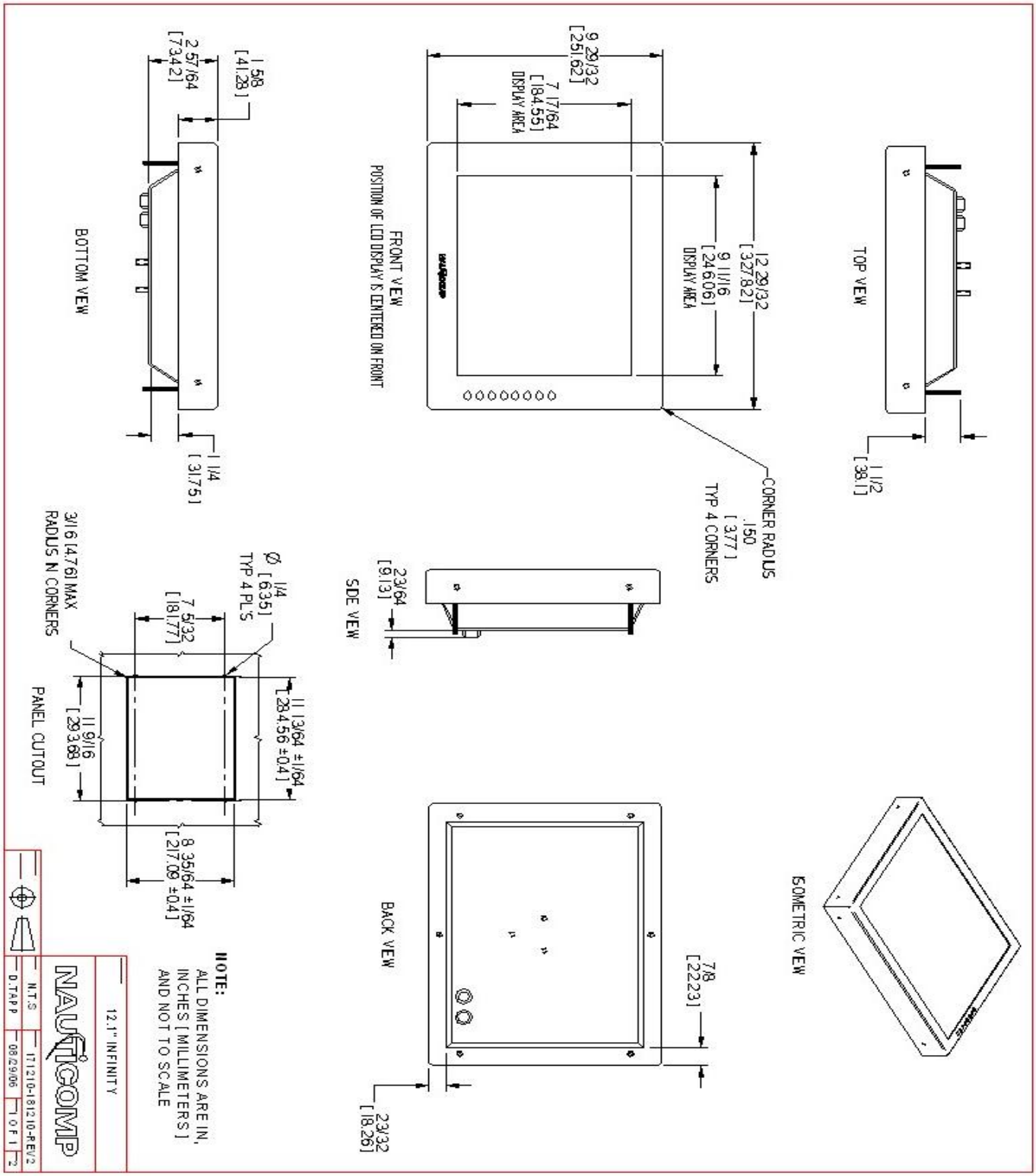

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