18.0” Sunlight Signature Display

Electrical Description

Display Characteristics:

Type:	18.0” Active Matrix TFT
Dot Number:	1280 x 1024 Pixels
Dot Pitch:	0.2805mm
Response Time:	25ms Average– Typical
Contrast Ratio:	600:1 Min.
Brightness / Light Intensity:	Enhanced to 1000cd/m² (Nits)- Typical
Viewing Angles (at CR>10):	85° Left/Right, 85° Up & 85° Down
Backlight Life:	25,000 Hours- Typical
Colour Depth:	16.7 Million (Depending on Graphics Card)

Dimming Circuit:

Range: Full Brightness to Red (VGA Only)

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: 331.469-79.976 kHz*
Vertical Scan: 56-87 Hz*

**Depending on resolution*

Resolutions:

VESA Support for: 1600 x 1200 UXGA
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: 357.58 mm x 286.54 mm

Composite Video Input:

PAL, NTSC & SECAM with
‘Picture In Picture’ PIP facility

Input Voltage:

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

Power Consumption:

5.0 A (62 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 with 2 11/64” (55.17) Protruding and Fastened with 4 Mounting Studs
Panel Cut-Out Size (mm): 15 3/4” (400.05) x 12 9/16” (319.09)

Dimensions:

Display (mm): 17 9/16” (446.09) W x 13 31/32”(354.81) H x 4 11/16” (119.06) D

Weight:

Weight (kg): 21 lbs (9.5)

Input Connectors: (rated @ NEMA 6 / IP67)

RGB Signal:	15 Pin Male Connector
DVI Signal:	DVI-D Male Connector
Composite Signal:	RCA Male Jack
Power:	16 Gauge Black/Red wire

**Connections listed are ends on 10’ (3 Meter) pass thru cables permanently connected to display.*

Menu Controls:

Via Front Mounted Buttons: OSD Picture Features:
Size, Position, Colour & PIP

Approvals / Warranty

Compliance: CE:IEC609451/ CISPR22 / EN 55022 FCC Part 15 Section 15.109

Limited Warranty: 3 Year

Ordering Codes

Configuration:

18.0” Sunlight Display: 20-1810
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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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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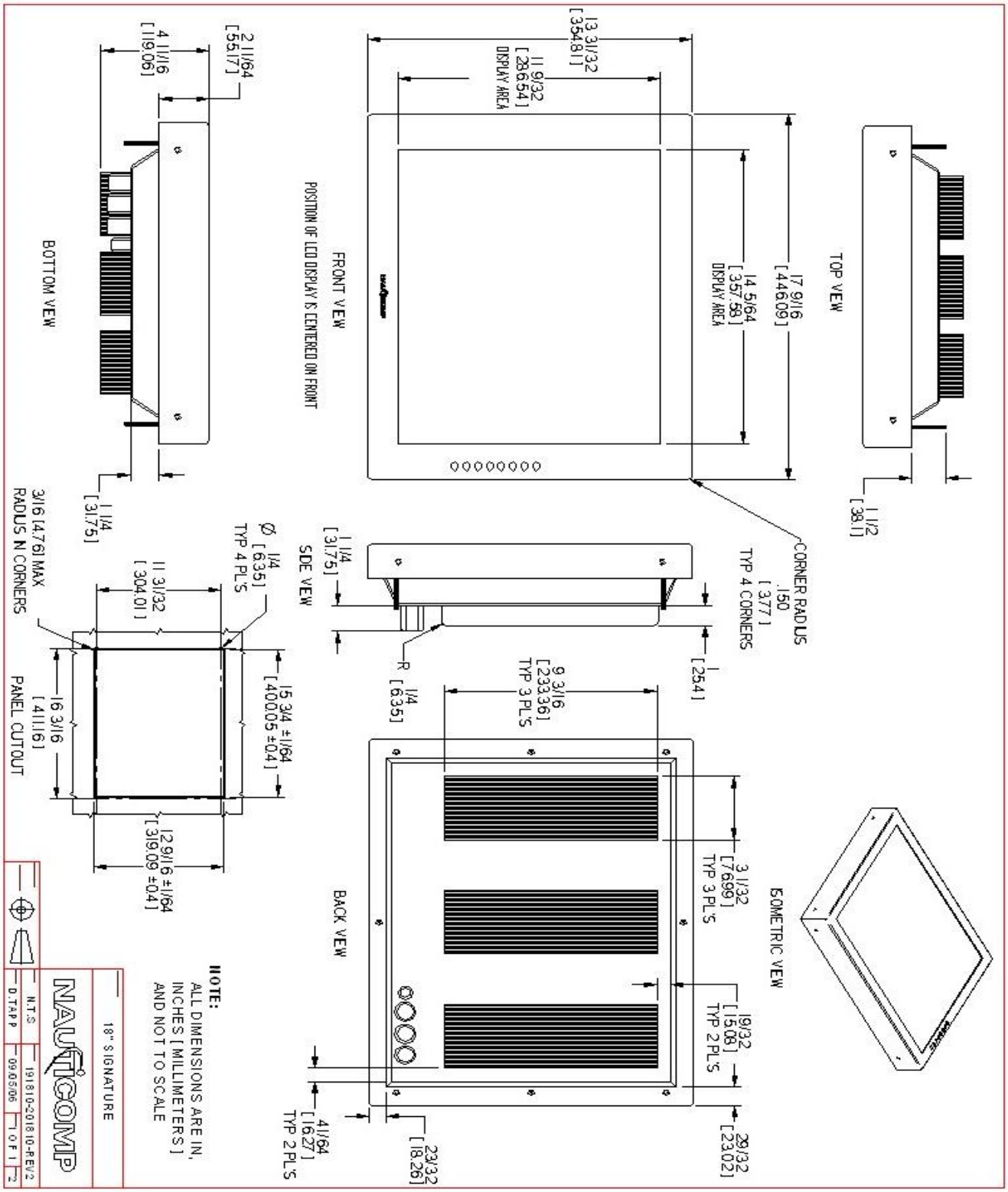

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