NAUTICOMP

12.1" Sunlight Glass Bridge Display® - LED

Electrical Description

Display Characteristics:

Type:	12.1" Active Matrix TFT
Dot Number:	1024 x 768 Pixels
Dot Pitch:	0.240mm
Response Time:	23ms Average- Typical
Contrast Ratio:	700:1 Min.
Brightness / Light Intensity:	Enhanced to 1600cd/m² (Nits)- Typical
Viewing Angles (at CR>10):	80º Left/Right, 80º Up & 80º Down
Backlight Life:	50,000 Hours- Typical
Colour Depth:	16.7 Million (Depending on Graphics Card)

Dimming Circuit:

Range: Full on to 0.5 cd/m² (Nits)- Approx. w/Red

DVI-I Input:

Analog Interface: 330 MHz Max. Analog Bandwidth
0.5V to 1.0V Analog Input Range
Sync-on-Green (-ve) 0.3V

Digital Interface: DVI 1.0 Compatible Interface
108 MHz Operation

Synchronisation Range:

Horizontal Scan: 31 - 80 kHz*
Vertical Scan: 56 - 85 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: 246.06 mm x 184.94 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:

2.2 A (27 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 100 Hz

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:

Console/Flush Mount: Via Adjustable Fixing Brackets Which Locate in Machined Slots Positioned Around the Housing
Panel Cut-Out Size (mm): 11 19/64" (286.94) x 8 57/64" (225.82)

Dimensions:

Display (mm): 11 5/8" (295.28) W x
9 3/16" (233.36) H x
3 15/16" (100.01) D

Weight:

Weight (kg): 6.5 lbs. (2.9)

Input Connectors:

2x RGB Signal:	DVI-I Female (Via 15-pin Converter)
2x DVI Signal:	DVI-I Female (Combined with RGB)
3x Composite Signal:	7-pin Male Circular
1x Component Signal:	7-pin Male Circular
2x S-Video Signal:	S-Video Socket
USB Connection:	USB Type B Male (Proprietary Network)
GB Commander:	10-pin Male Circular
Power:	2-pin Male Circular

Each display is shipped with a set of interface cables. complete with 1 connector per cable rated @ NEMA 6 / IP67...

Menu Controls:

Via Remote GB Commander: 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

Standard Configuration:

12.1" Sunlight Display: 22-1210
Please specify an external power supply from list below...

External Power Supply:

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

Shipping Details:

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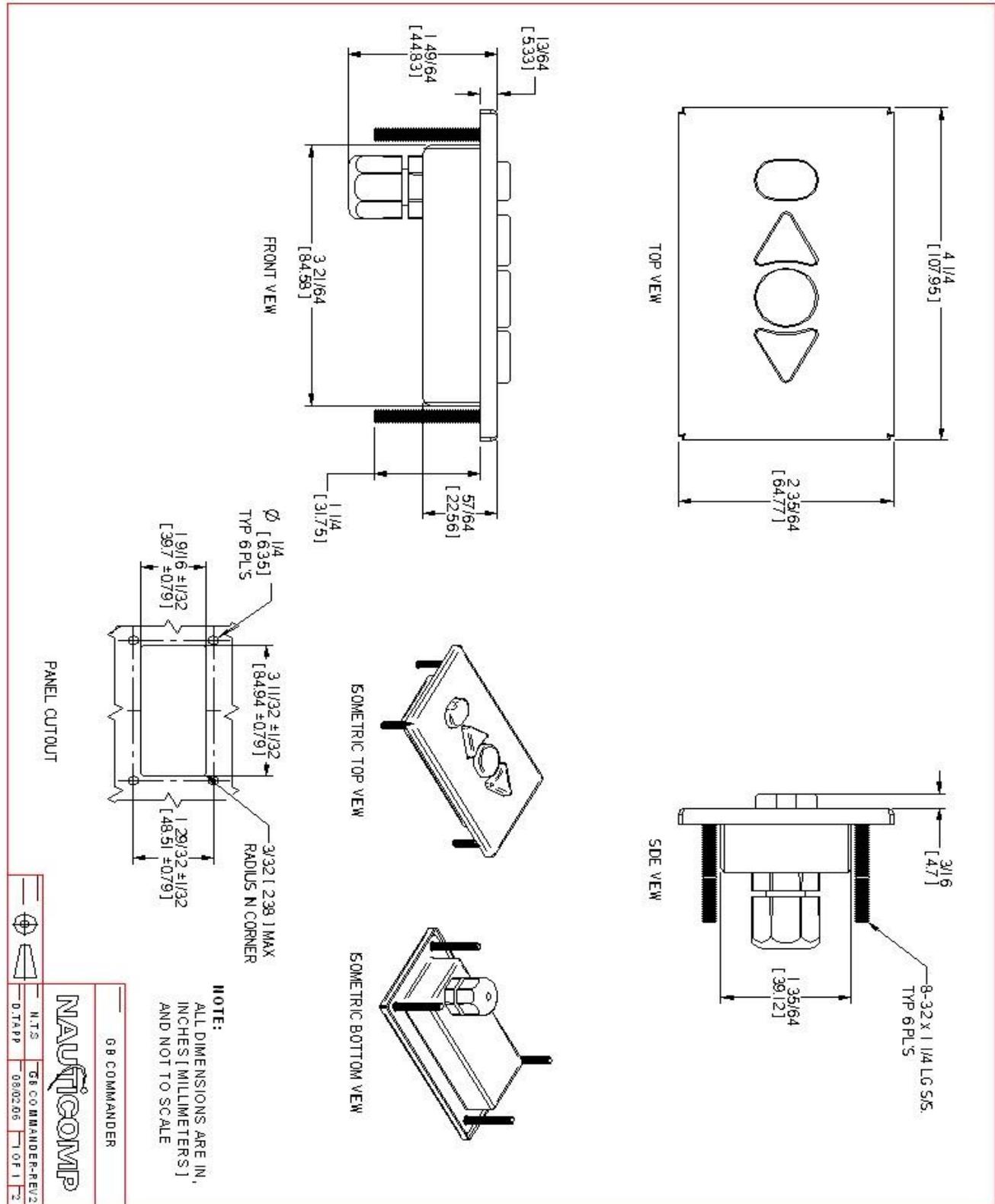Weight (kg): 26 lbs. (12)

URL: www.nauticomp.com   E-Mail: sales@nauticomp.com

Mechanical Specifications

NAUTICOMP

Remote GB Commander (Menu Control)

FRONT VIEW

TOP VIEW

PANEL CUTOUT

ISOMETRIC TOP VIEW

ISOMETRIC BOTTOM VIEW

SIDE VIEW

NOTE:
ALL DIMENSIONS ARE IN,
INCHES [MILLIMETERS]
AND NOT TO SCALE

GB COMMANDER

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