

23.1" Approved Centric Series Display

ELECTRICAL DESCRIPTION

MECHANICAL DESCRIPTION

Display Characteristics:

Type: 23.1" Active Matrix TFT
Dot Number: 1600 x 1200 Pixels
Dot Pitch: 0.294 mm
Active Display Area: 470.4 mm x 352.8 mm
Response Time: 20ms Average - Typical
Contrast Ratio: 500:1 Min.
Brightness / Light Intensity: 250 cd/m² (Nits) - Typical
Viewing Angles L/R/U/D: 85°/85°/85°/85°
Backlight Life: 50,000 Hours - Typical
Colour Depth: 16.7 Million (Depending on Graphics Card)

Dimming:

Range: 0-100% (Dimming Ratio 1000:1)

DVI-I Input:

Analog Interface: RGB 0.7-1.0V p-p
Sync-on-Green (-ve) 0.3V.
Digital Interface: DVI 1.0 Compatible Interface
108 MHz Operation.

Synchronisation Range:

Horizontal Scan: 15 - 100 kHz
Vertical Scan: 30 - 65 Hz

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...

Composite Video Input:

Input Source: NTSC, PAL, SECAM with 'Picture in Picture' (PIP) facility.

Input Voltage:

AC or DC Input: 115V AC +/- 10% or
230V AC +/- 10% (internal switch).
24V DC +30% -20%

Power Consumption:

AC Supply: 85W
DC Supply: 70W

Environmental:

**Operating Temp: -15 to +55°C (IEC 60945)
Storage Temp: -25 to +70°C
Operating Humidity: 30% to 90% (Non-Condensing)
Storage Humidity: 10% to 90% (Non-Condensing)
Vibration: +/-1mm, 2 to 13Hz: 0.7g 13 to 100 Hz

**We DO NOT recommend routine operation @ extreme temperatures...

Construction:

Finish: Front Bezel - Grey RAL 7015
Housing - Grey RAL 7016
Stand & Turntable - Grey RAL 9007
Housing: Aluminium
Front Sealing: Front Bezel IP66. IP67 possible by using optional sealing kit (gasket and grease)
Protective Safety Glass: Flush mounted, Conturan Hardened, Laminated & Anti-glare coated.
Ventilation: Convection (No Fans)

Dimensions:

Display for Flush Mounting (mm): 20.7" (526) H x 23.46" (596) W x 3.05" (77.6) D
Display + Stand + Turntable (mm): 22.4" (569) H x 24.2" (615) W x 21.6" (548) D
Panel Cut-out (mm): 19.44" (493.8) H x 22.2" (564) W

Weight:

Display (Kg) : 37.9 lbs (17.2)
Display with Stand & Turntable (Kg): 50.3 lbs (22.8)

Connections:

DVI Signal: DVI-I Female
Composite Signal: RCA Female Jack
S-Video: S-Video Socket
RS232 Control: 9-pin Female D-SUB
AC Power: IEC Inlet
DC Power: Screw Terminal

User Controls:

Front Bezel Membrane Buttons: Lock, -, +, Set, Menu & Power
Front Panel Indicators: AC & DC Power LEDs
Brightness Knob: Potentiometer (1000:1)

Shipping Details:

Carton Size (cm): 27.6" (70) x 25.6" (65) x 8.7" (22)
Weight (Kg): 43.9 lbs (19.9)

APPROVALS / WARRANTY

Certification:

Maritime / Military: IEC 60945 4th Edition. IEC 61174 (ECDIS), IEC 60936 (RADAR) & IEC 60529 (IP). MIL-STD-810F.
IACS E10 (to obtain ABS, BV, CCS, GL, KR, LR, NK, RINA, RS).

Type Approvals:

ABS – Pending

Limited Warranty:

2 Year

ORDERING CODES

23.1 Approved Centric Display: 23-2310
Adjustable Universal Stand*: 25-231US01
Turntable (Requires Stand): 25-231T
Sunshade: 25-231SS

Note: 1) IEC 60945 Approved with Turntable...

Nauticomp Inc.

8 Callaghan Road
Lindsay, Ontario
Canada, K9V 4R4
p: +1 705-328-2992
f: +1 705-328-2990

Nauticomp European Distribution

CA Clase
2 Mornington Place, Waterberry Drive,
Waterlooville, Hants, PO7 7XX
p: +44 2392 247920
f: +44 2392 261959

Nauticomp International

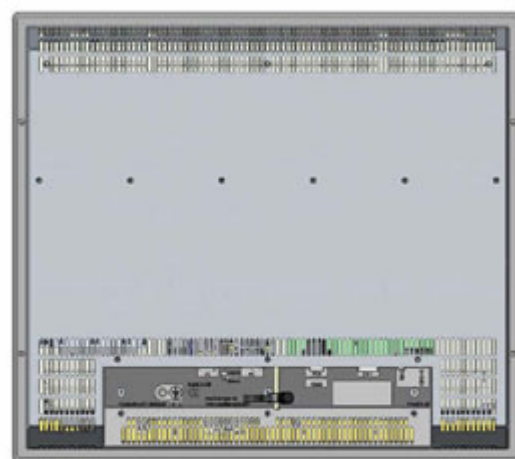
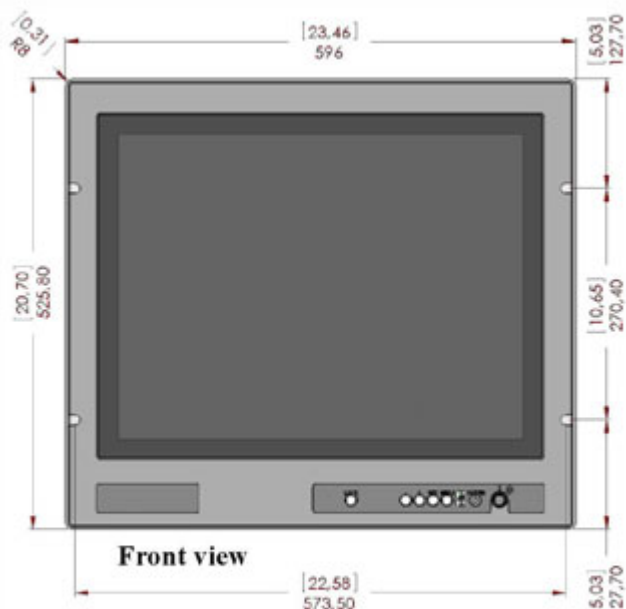
1200 NE 7th Avenue
Fort Lauderdale, Florida
United States 33304
p: +1 954-235-4875
f: +1 705-328-2990

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

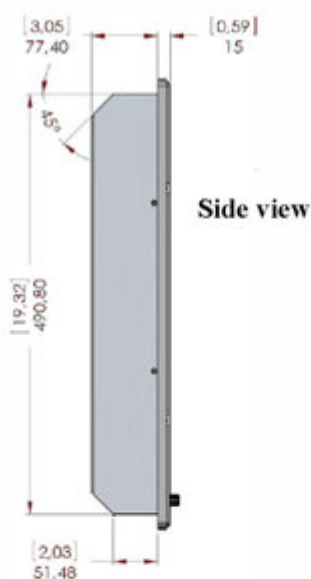
Due to a policy of continuous product development NAUTICOMP reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.

Mechanical Specifications - Display

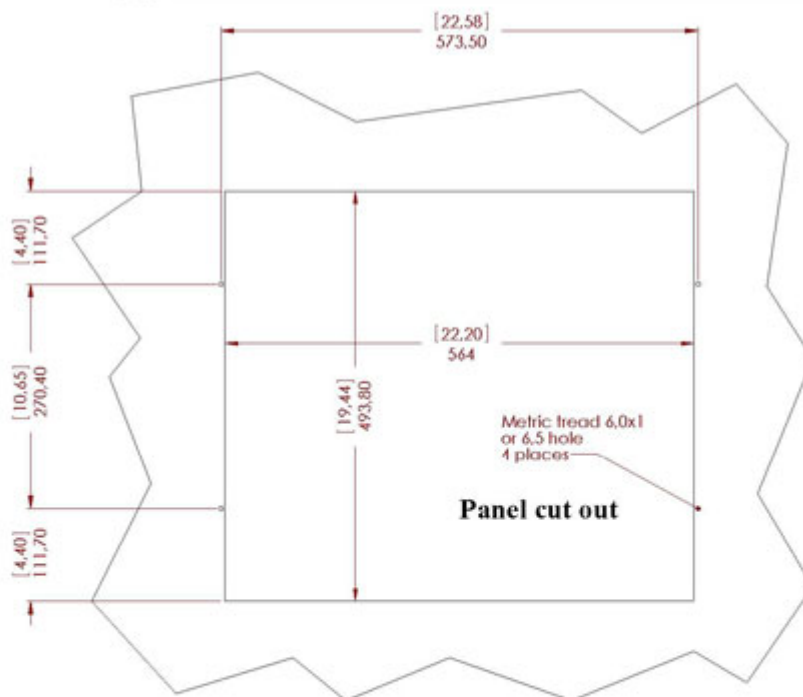
Note: All dimensions are in mm and (inch)



Back view



Side view



Panel cut out



Top view



Bottom view

Nauticomp Inc.

8 Callaghan Road
Lindsay, Ontario
Canada, K9V 4R4
p: +1 705-328-2992
f: +1 705-328-2990

Nauticomp European Distribution CA Clase

2 Mornington Place, Waterberry Drive,
Waterlooville, Hants, PO7 7XX
p: +44 2392 247920
f: +44 2392 261959

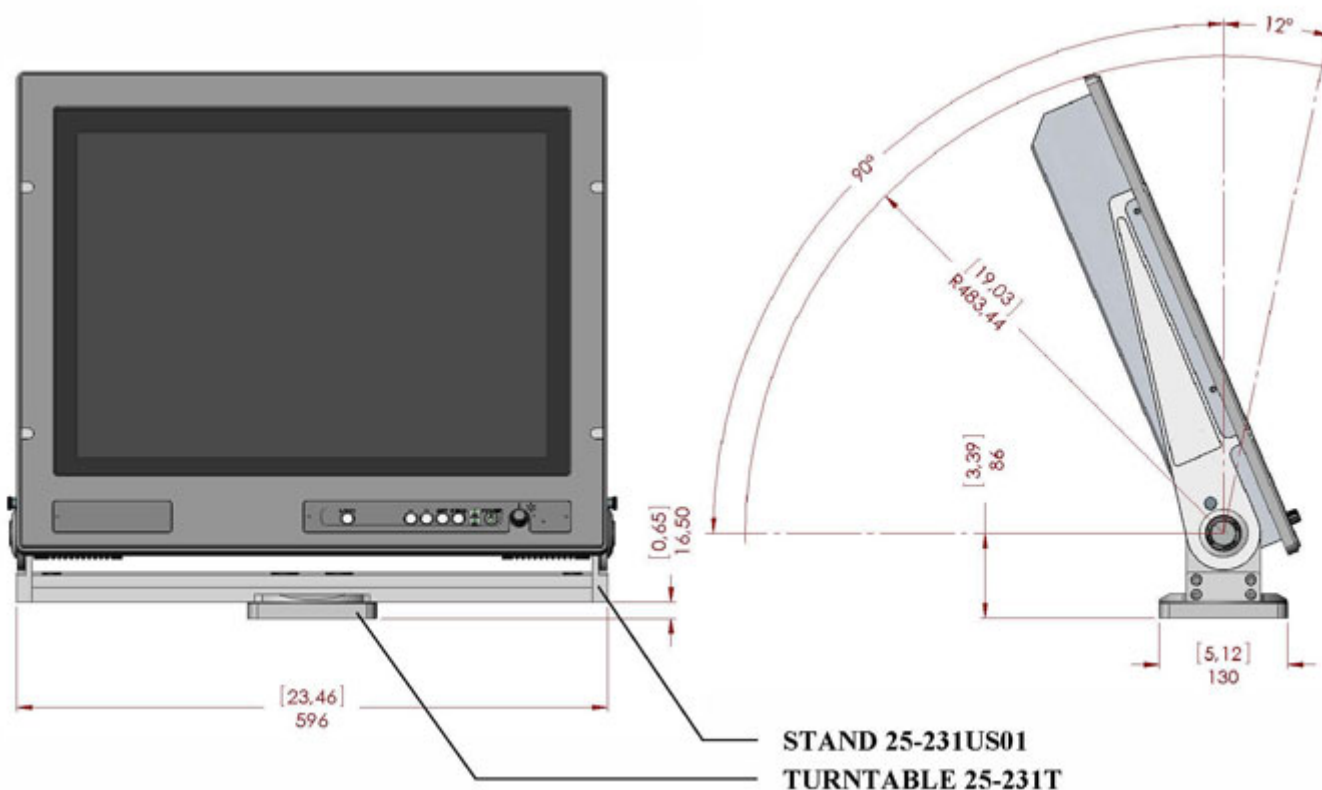
Nauticomp International

1200 NE 7th Avenue
Fort Lauderdale, Florida
United States 33304
p: +1 954-235-4875
f: +1 705-328-2990

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

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

Measurements - Stand & Turntable



EMPTY

Note: All dimensions are in mm and (inch)

Nauticomp Inc.
8 Callaghan Road
Lindsay, Ontario
Canada, K9V 4R4
p: +1 705-328-2992
f: +1 705-328-2990

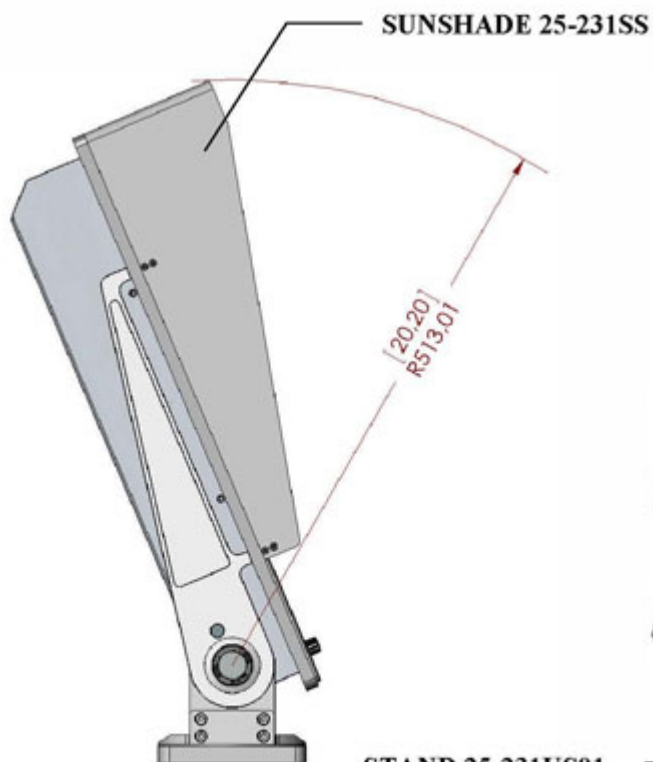
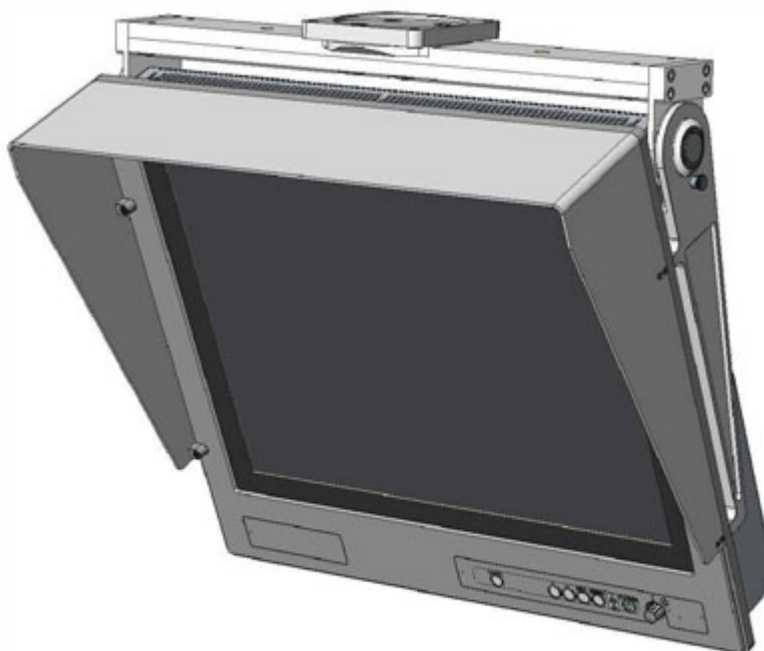
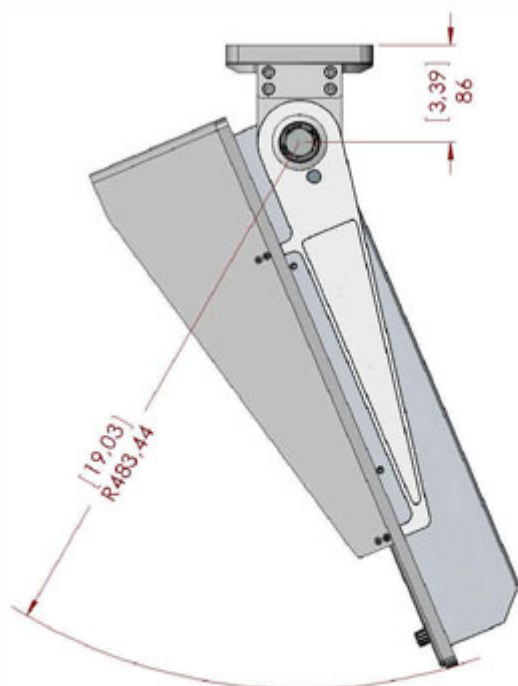
Nauticomp European Distribution
CA Clase
2 Mornington Place, Waterberry Drive,
Waterlooville, Hants, PO7 7XX
p: +44 2392 247920
f: +44 2392 261959

Nauticomp International
1200 NE 7th Avenue
Fort Lauderdale, Florida
United States 33304
p: +1 954-235-4875
f: +1 705-328-2990

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

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

Measurements - Stand, Sunshade & Turntable



STAND 25-231US01



TURNTABLE 25-231T

Note: All dimensions are in mm and (inch)

Nauticomp Inc.
8 Callaghan Road
Lindsay, Ontario
Canada, K9V 4R4
p: +1 705-328-2992
f: +1 705-328-2990

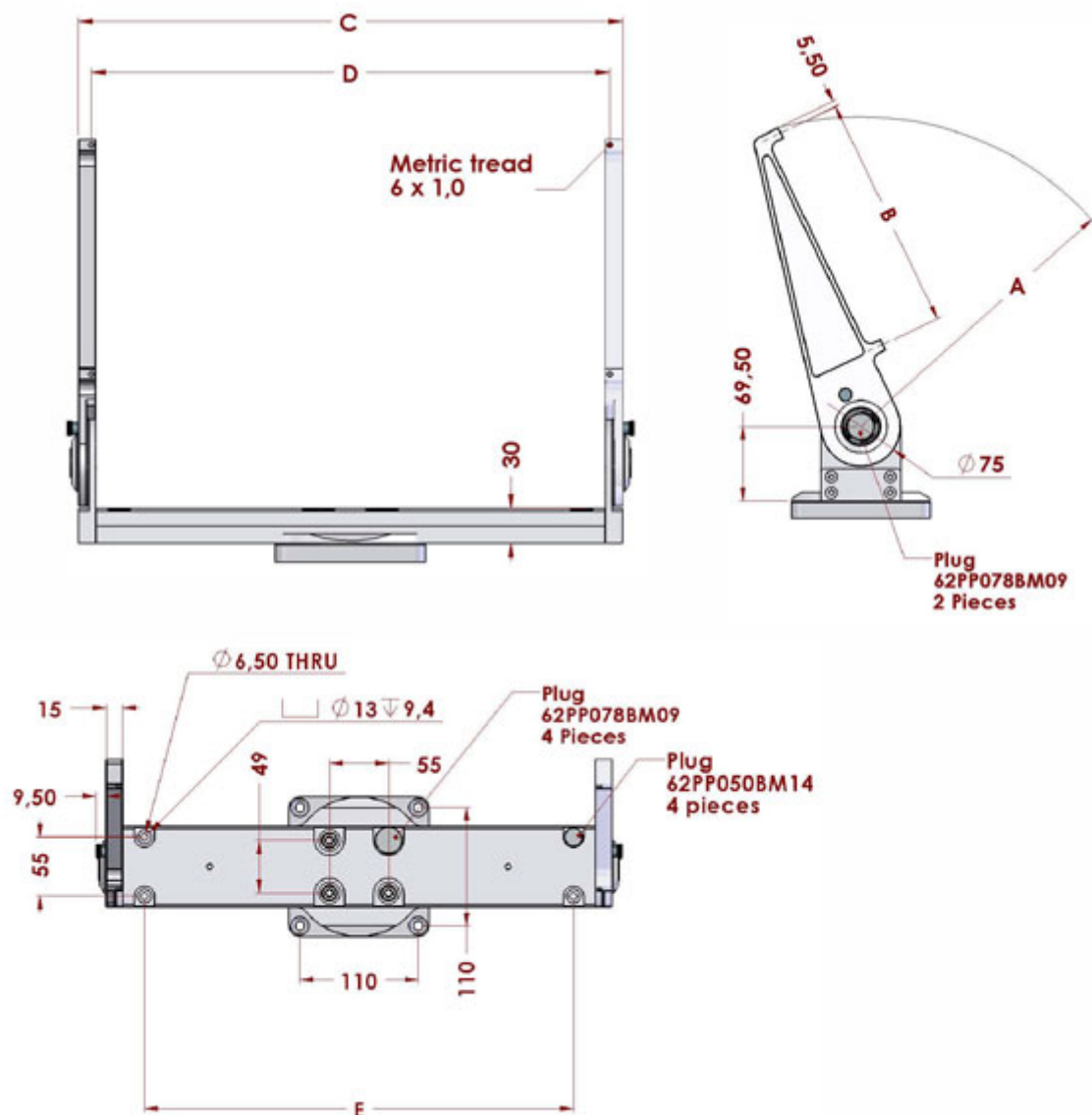
Nauticomp European Distribution
CA Clase
2 Mornington Place, Waterberry Drive,
Waterlooville, Hants, PO7 7XX
p: +44 2392 247920
f: +44 2392 261959

Nauticomp International
1200 NE 7th Avenue
Fort Lauderdale, Florida
United States 33304
p: +1 954-235-4875
f: +1 705-328-2990

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

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

Measurements - Stand 25-231US01 & Turntable



Note: All dimensions are in mm

MEASUREMENTS (in):-				
A	B	C	D	E
357	270.4	596	573.5	526
(14.05)	(10.64)	(23.46)	(22.57)	(20.7)

Nauticomp Inc.
8 Callaghan Road
Lindsay, Ontario
Canada, K9V 4R4
p: +1 705-328-2992
f: +1 705-328-2990

Nauticomp European Distribution
CA Clase
2 Mornington Place, Waterberry Drive,
Waterlooville, Hants, PO7 7XX
p: +44 2392 247920
f: +44 2392 261959

Nauticomp International
1200 NE 7th Avenue
Fort Lauderdale, Florida
United States 33304
p: +1 954-235-4875
f: +1 705-328-2990

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

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