

21.5" Axys Series Display

Electrical Description

Display Characteristics:

Type: 21.5" Active Matrix TFT
Dot Number: 1920 x 1080 Pixels
Dot Pitch: 0.2483mm
Response Time: 5 ms Average- Typical
Contrast Ratio: 1000:1 Typical
Brightness/Light Intensity: 500 cd/m²
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, via front mounted Potentiometer.

HDMI Input:

Digital Interface: HDMI 2.1 Compatible Interface
120Hz Operation

DVI-D Input:

Digital Interface: DVI 1.0 Compatible Interface
144Hz Max Operation (at 1080p)

Analog RGB (VGA) Input:

Analog Interface: 85Hz Maximum Analog Bandwidth
0.5V to 1.0V Analog Input Range
Sync-on-Green (-ve) 0.3V

Composite Video Input:

Analog Interface: 1.0V NTSC/PAL/SECAM

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

Multi-Touchscreen Screen (Option):

Plug and Play: USB Interface
Capacitive, Multi Point Touch

Remote Serial Control:

Display commands/Dimming: DB9/RS-232 receive

Input Voltage:

DC Input: 24VDC- 10-30V DC Range

Power Consumption:

1.9 A (61 W) Max @ 24VDC

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: NEMA 4X IP65 Front / IP56 Rear
Toughened Safety Glass: Optically Glare Coated and Polarized
Ventilation: Convection

Mounting Style:

Surface: Cam/Stud fasten from rear of surface. Rubber gasket seal to front surface
VESA- Pedestal Mount (mm): 100 x 100 M4 Pre-Thread (factory supplied bolts)
Panel Cut-Out Size (mm): 18.74" (476) W x 11.81" (300) H

Dimensions:

20.92" (531.6) W x
Display (mm): 14.00" (355.6) H x
1.87" (61.0) D

Weight:

Weight (kg): 20.83lbs (9.45)

Input Connectors:

HDMI Signal: HDMI type A, Male
DVI Signal: DVI-D 1.0, Female
VGA Signal: 15 Pin D-Sub, Female
Composite Signal: BNC (CVBS), Male
Multitouch Screen (Option): USB Type B, Female
Remote Serial Control: 9 Pin D-Sub, Male
Power: Barrel style, Screw-Locking/ Stainless

Menu Controls:

Via Front Mounted Buttons: OSD Picture Features: Size, Position, Colour and Input Selection
Via Remote RS-232 connection: Input Selection, backlight brightness

Approvals / Warranty

Compliance (Pending):

- IEC60945 (DNP,ECDIS)*
- ABS (Bridge Systems)*
**Certificates and test results available on request.*
- EN 55022/CISPR22
- CE, FCC Part 15 Section 15.109
- MIL-STD-461*

Limited Warranty:

2 Year

Ordering Codes

Configuration:

21.5" Axys Series Display: 32-2110

Shipping:

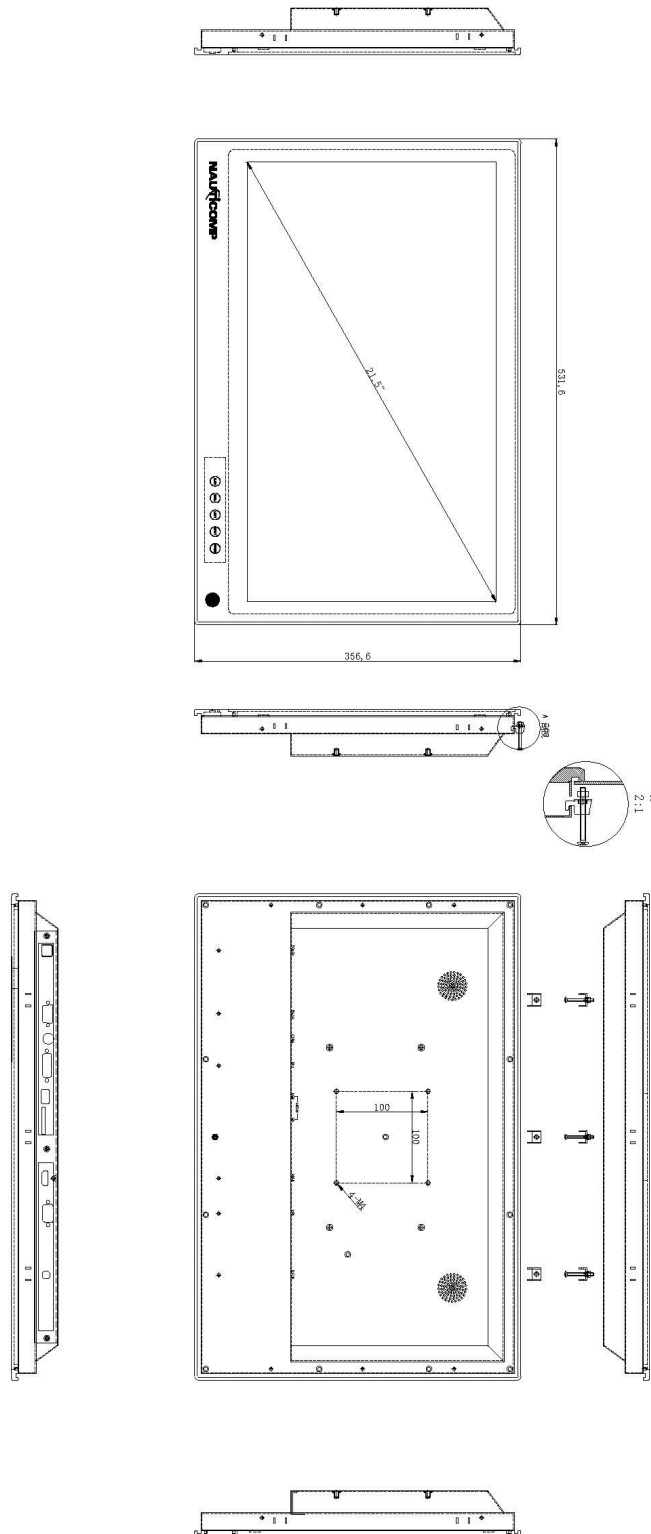
Carton Size (cm): 20" (51) W x 21" (53) H x 8" (20) D
Weight (kg): 25 lbs (11.3)

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