

18.1" LCD Marine Monitor



Features

- ◆ Advanced Deep Dimming 1000:1
- ◆ Automatic Image Size Adjustment
- ◆ Certified to EN 60945 (IEC 945)
- ◆ Contrast Enhancing AR Safety Glass
- ◆ Front Panel Sealed to IP65
- ◆ Versatile Fixing for Arms/Brackets
- ◆ VGA to SXGA + PAL/NTSC/SECAM
- ◆ 19" Rackmount (9U) Design

Introduction

KME has 'Marinised' a high resolution TFT panel and a versatile analog-digital converter board to suit the 19" equipment rack format.

A milled aluminium front plate gives exceptional stability to the construction.

Brightness is dimmable for night operation by a rotary control on the front plate. The AC power indicator (LED) luminance is controlled by a photo-diode for automatic dimming as the ambient lighting reduces.

Application

Designed specifically to meet the stringent demands of marine environment in particular EN 60945 (IEC 945) for Maritime Navigation and Radio Communications Equipment & Systems.

Resolutions up to 1280 x 1024 pixels can be displayed with superb image quality.

In addition to VESA standard fixings at the rear, there is an optional mounting bracket for Desktop or Overhead installation.

KENT MODULAR ELECTRONICS LTD

611 Maidstone Road, Rochester, Kent ME1 3QL UK. Tel: +44 (0)1634 830123 Fax: +44 (0)1634 830619

URL: www.kme.co.uk E-Mail: sales@kme.co.uk

Technical Specifications

Electrical Description

Display Characteristics:

Type: 18.1" a-Si AM TFT
Dot Number: 1280 x 1024 pixels
Dot Pitch: 0.281mm
Response Time: 15ms average, typical
Contrast Ratio: 350:1 min. typical
Light Intensity: 250cd/m² typical
Dimming Range: 1000:1
Viewing Angles (at CR>10): 80° - Left, Right, Up, Down
Backlight Life: 50,000 hours typical

Display Colours Analog Input:

Colour Depth: 16.7million (Depending on Graphics Card)

Video Signal:

Analog: RGB 0.7-1.0Vp-p
Impedance: 75 Ohm

Sync Signal:

Sync. Type/Level: Separate H&V (+/-ve) TTL or Composite (-ve) TTL or Sync-on-Green (-ve) 0.3V

Synchronisation Range:

Horizontal Scan: 31-91kHz
Vertical Scan: 60 to 85Hz

Resolutions:

VESA Support: 640 x 480VGA
800 x 600 SVGA
1024 x 768 XGA
1280 x 1024 SXGA*

*Recommended for Optimised Resolution

Composite Video Inputs:

PAL, NTSC & SECAM

Active Display Area:

359.0 x 287.2mm

Power Supply:

90-265V 50/60Hz: Internal

Power Consumption:

Operating: 65 W (Max.)

Environmental:

**Operating Temp: -15°C to +55°C (EN60945 tests)
Storage Temp: -20°C to +60°C
Operating Humidity: 30% to 90% (non condensing)
Storage Humidity: 10% to 90% (non condensing)

**Quoted EN60945 test. We DO NOT recommend routine operation @ extreme temperatures.

Mechanical Description

Construction:

Housing: Aluminium
Safety Glass: Toughened, Optically Coated and Contrast Enhancing
Sealing: Front Panel IP65

Dimensions:

Monitor: 483 x 398.9 (9U) x 101.5mm
Weight (approx): 11kg.

Input Connectors:

RGB Signal: 15-pin HD Female
Video Signal: RCA +S-video socket
Power: 3-Pin IEC Male

Output Connector:

***Touch Screen: 9-pin Female D-Type

User Controls:

Front Panel: Standby Power (Pushbutton), Rotary Brightness & Contrast, Power LED Indicator

Behind Cover on Front Panel: OSD Functions

Approvals

EN 60945:

Tested to EN 60945 (IEC 945) 3rd Edition

Ordering Codes

Standard Configuration:

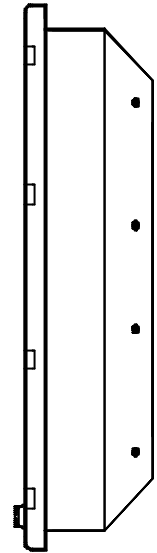
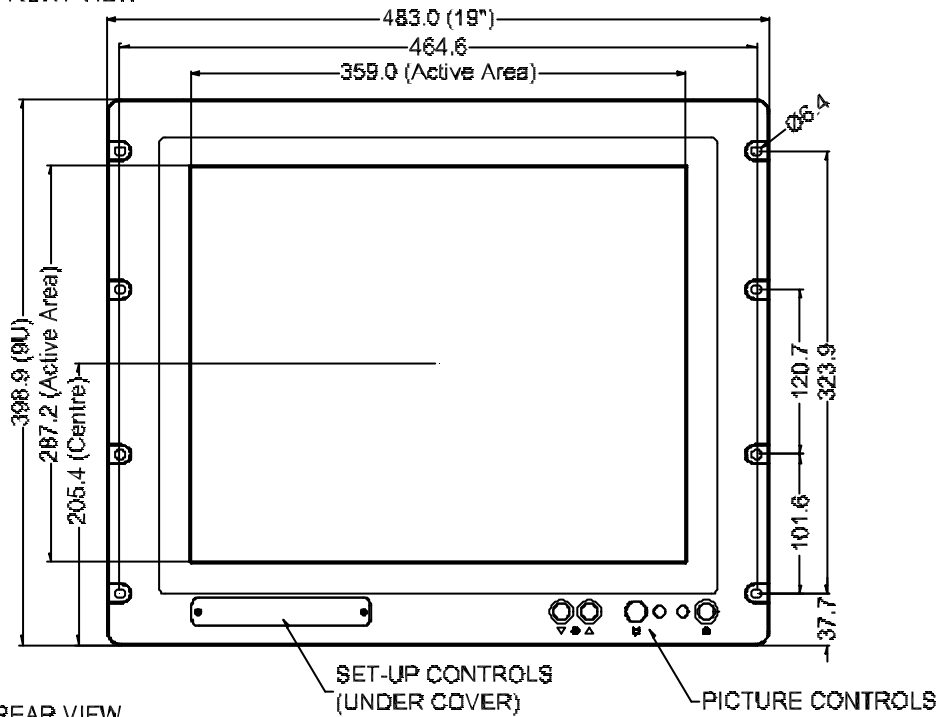
Monitor: 29LR183A35MP

Ancillaries/**Options:

Mounting Bracket: 29ST0011
Sun Visor: On Request
Touch Screen: On Request

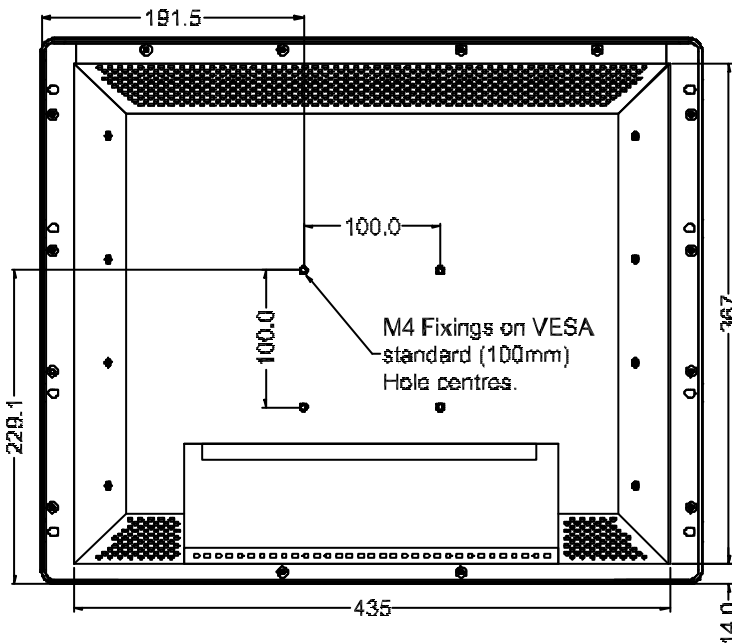
Mechanical Specifications

FRONT VIEW

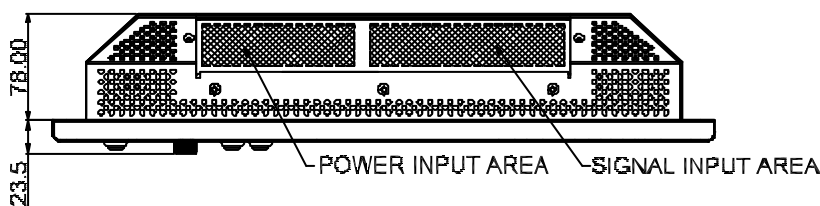


SIDE VIEW

REAR VIEW



BOTTOM VIEW



All dimensions in millimetres
 (Not to scale)

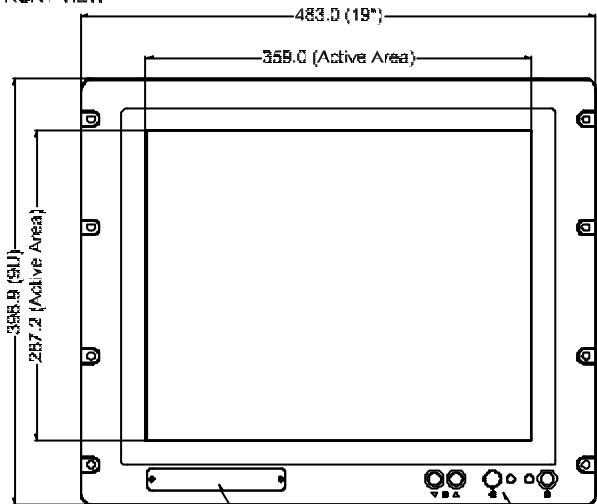
KENT MODULAR ELECTRONICS LTD

611 Maidstone Road, Rochester, Kent ME1 3QL UK. Tel: +44 (0)1634 830123 Fax: +44 (0)1634 830619

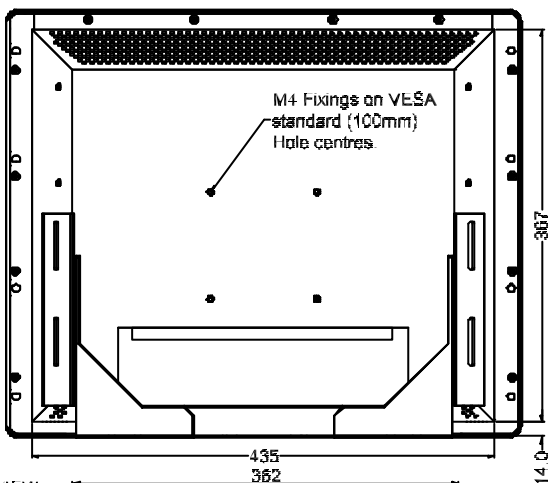
URL: www.kme.co.uk E-Mail: sales@kme.co.uk

Mounting Bracket - 29ST0011

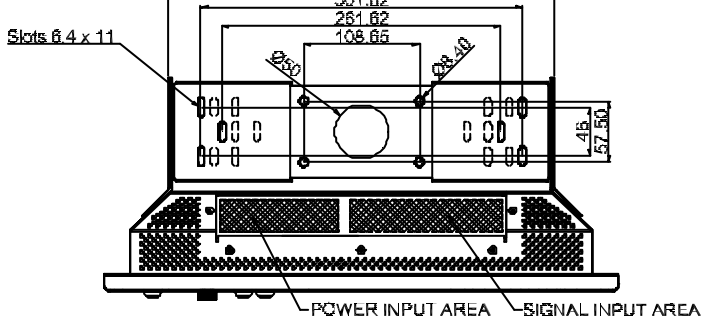
FRONT VIEW



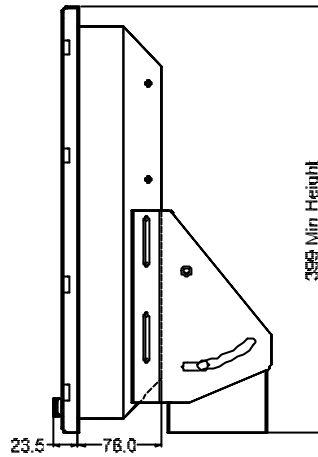
REAR VIEW



BOTTOM VIEW

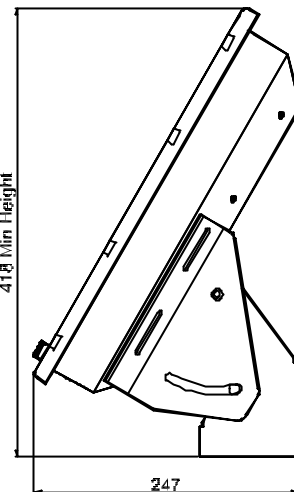


SIDE VIEW 0° TILT

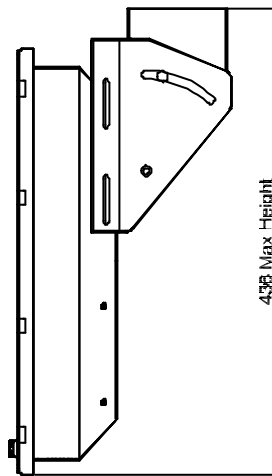


DESKTOP MOUNTING

SIDE VIEW 30° TILT

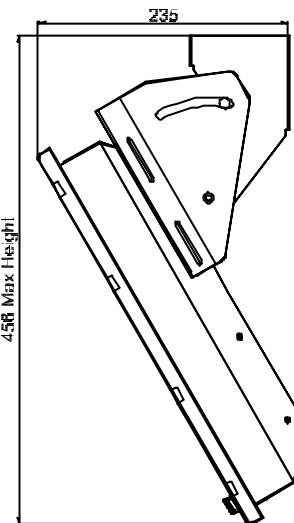


SIDE VIEW 0° TILT



OVERHEAD MOUNTING

SIDE VIEW 30° TILT



All dimensions in millimetres
(Not to scale)