

## DuraMON 27"

### Wide Screen for Radar & ECDIS



**DuraMON** monitors are designed for marine and naval mission critical applications.

It values markets demands for:

- Excellent dimming performance to black.
  - Fan-less and silent operation.
  - Low weight & Low power
  - Long up time and less service.
  - Long built-state possibility.
  - High quality display 27" Wide Screen format
- Compliant with IEC 60945 and IACS E10.
  - 27" complies with RADAR CAT I, II and III
  - ECDIS/RADAR options.
  - Membrane keys with dimmable backlight.
  - Full range backlight dimming
  - Desk / wall / ceiling mounting-brackets available.
  - Customisation available.

# Specifications

## DuraMON

**Display sizes:** 27" Wide Screen LCD (TFT)

**Display properties:**

Size – Active area (Aspect)	Luminance	Contrast	Resolution
27" - 597.88 x 336.31 (16/9)	300 Cd/m <sup>2</sup>	1000:1	1920 x 1080

**View angle:** 89°(L/R/T/B) (typical)

**Materials:** Front: Sea Water Resistant Aluminium w. black powder coating RAL 9005  
Rear: Sea Water Resistant Aluminium w. black powder coating RAL 9005

**Window:** Anti Reflection coated front glass

**Protection:** IP65 front – IP20 rear

## DuraMON I/O

**Video inputs:** RGB : Analogue 0.7 Vpp positive at 75Ω,  
Separate sync or sync on green  
Horizontal sync: 30-75 kHz (automatic)  
Vertical sync: 56-75 Hz up to 1280x1024  
60 Hz up to 1920x1200

DVI: Generally all VESA compatible video modes are supported up to 160MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking).  
Special modes supported on request.

Display Port 1.2  
/ HDMI 1.4a: Up to 1920x1200 (WUXGA) 60 Hz reduced blanking

**Control inputs:** 1x RS232 – for remote control  
1 x USB for touch sensor (optional)

## DuraMON Power Supply Options

**Standard:** 90-264Vac. 50-60Hz Input

**Optional:** 18-36Vdc Input

**Power Consumption:**

Size	P <sub>TYP</sub> (Watt)	P <sub>MAX</sub> (Watt)
27"	30	45

## DuraMON Environmental Conditions

**Operating Temperature:** -15 to 55 °C

**Storage Temperature:** -25 to 70 °C

**Relative Humidity:** 8 to 95 %

## DuraMON Approvals

**Marine:** IACS E10 Rev. 5 & IEC 60945 Ed. 4

**ECDIS:** IEC 61174 ed. 4

**Radar / Navigation:** IEC 61174 ed. 4, IEC 62288 ed. 2, IEC 62388 ed. 2

**Type Approvals:** MR certificate  
*For marine class approvals – see [www.isic-systems.com](http://www.isic-systems.com)*

## DuraMON Physical dimensions

**Size:** 684 (W) x 452 (H) x 68 (D)

**Weight:** 12 kg.

**Bracket:** Desk / wall / ceiling bracket and IP22 rear-cover available (optional extra)

