

## DuraMON 19" LED for ECDIS



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

It values markets demands for:

- Standardisation and easy integration.
- Simplicity in operation.
- Modularity & space saving.
- Low weight
- Long up time and less service.
- Long built-state possibility.
- Zero Mercury
- Low Power consumption.
- High quality display 19" 5:4 format
- Compliant with IEC 60945 and IACS E10.
- ECDIS / RADAR options.
- LED Backlight
- Full range backlight dimming
- Keys dimming control options.
- Desk/Roof and wall mounting-brackets available.
- Optional Touch and Buzzer.
- Customisation available.

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# Specifications

## DuraMON LED

**Display sizes:** 19" LCD (TFT)

**Display properties:**

Size – Active area (Aspect)	Luminance	Contrast	Resolution
19" - 376 x 301 mm (5/4)	300 Cd/m <sup>2</sup>	2000:1	1280 x 1024

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

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

**Window:** Anti Reflection coated front glass

**Protection:** IP65 front – IP20 rear

## DuraMON LED I/O

**Video inputs:** RGB : Analogue 0.7 Vpp positive at 75Ω,  
Separate sync or sync on green  
Generally all VESA compatible video modes are supported up to 165MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking).  
Horizontal sync: 15-100 kHz (automatic)  
Vertical sync: 30-85 Hz up to 1280x1024  
30-60 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.

*Option available for S-video and Composite video*

**Control inputs:** 1 x RS232 – for remote control  
*Option available for Capacitive Touch 1 x USB*  
*Option available for integrated Alarm Buzzer*

## DuraMON LED Power Supply Options

**Standard:** 90-264Vac. 50-60Hz Input  
**Optional:** 18-36Vdc Input

## DuraMON LED Environmental Conditions

**Operating Temperature:** -15 to 55 °C  
**Storage Temperature:** -25 to 70 °C  
**Relative Humidity:** 8 to 95 %

## DuraMON LED Approvals

**CE Mark:** EN61000-6-2 & EN61000-6-4  
**Marine:** IACS E10 Rev. 5 & IEC 60945 Ed. 4  
**ECDIS:** IEC 61174  
**Radar / Navigation:** IEC 62388 and IEC 62288  
**Type Approvals:** DNV  
*For latest marine class approvals – see [www.isic-systems.com](http://www.isic-systems.com)*

## DuraMON LED Physical dimensions

**Size:** 483 (W) x 419 (H) x 64 (D)  
**Weight:** app. 6,5 kg.  
**Bracket:** Desk / wall / roof bracket and IP22 rear-cover available (optional extra)

