



## DuraMON 22", 24" and 27" Wide-Screen monitors



### Wide Viewing Angle display

**DuraMON WS** monitors are Wide-Screen monitors designed for marine and naval mission critical applications.

It values markets demands for:

- Standardisation and easy integration.
- Simplicity in operation.
- Modularity & space saving.
- Long built-state possibility.
- Long up time and less service.
- Low Power consumption.
- Zero Mercury

- High quality displays in 22", 24" and 27"
- Full HD 16:9 Wide Screen resolution
- Micro switch keys with backlight
- LED Backlight
- Backlight Dimming from 100% to 0%
- Desk / wall / roof mounting-brackets available.
- Compliant with IEC 60945 and IACS E10.
- DDC communication for day / dusk / night
- Customisation available.

# Specifications

## DuraMON WS

|                            |                                                                                                                                             |                       |          |             |                      |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------|-------------|----------------------|
| Display sizes:             | 22", 24" and 27" Wide Screen LCD (TFT)                                                                                                      |                       |          |             |                      |
| Display properties:        | Size – Active Area (Aspect)                                                                                                                 | Luminance             | Contrast | Resolution  | View angle (L/R/T/B) |
| Standard Display:          | 22" - 476.64 x 268.11 (16/9)                                                                                                                | 250 Cd/m <sup>2</sup> | 1000:1   | 1920 x 1080 | 80/80/80/60          |
| Wide angle Display option: | 22" - 476.64 x 268.11 (16/9)                                                                                                                | 270 Cd/m <sup>2</sup> | 5000:1   | 1920 x 1080 | 89/89/89/89          |
| Wide angle Display:        | 24" - 521.28 x 293.22 (16/9)                                                                                                                | 250 Cd/m <sup>2</sup> | 1000:1   | 1920 x 1080 | 89/89/89/89          |
| Wide angle Display:        | 27" - 597.88 x 336.31 (16/9)                                                                                                                | 250 Cd/m <sup>2</sup> | 1000:1   | 1920 x 1080 | 89/89/89/89          |
| Materials:                 | Front: Sea Water Resistant Aluminium w. black power coating RAL 9005<br>Rear: Sea Water Resistant Aluminium w. black power coating RAL 9005 |                       |          |             |                      |
| Window:                    | Anti Reflection coated front glass                                                                                                          |                       |          |             |                      |
| Protection:                | IP65 front – IP20 rear (IP 22 with optional rear-cover)                                                                                     |                       |          |             |                      |

## DuraMON WS I/O

|                                                                                    |                 |                               |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------|-----------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Video inputs:   | RGB :                         | Analogue 0.7 Vpp positive at 75Ω,<br>Separate sync or sync on green<br>Generally all VESA compatible video modes are supported up to 165MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking).<br>Horizontal sync: 15-100 kHz (automatic)<br>Vertical sync: 30-85 Hz up to 1280x1024<br>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).<br>DDC communication for adjustment for Day / Dusk / Night. (Optional extra)                                                                                                             |
|                                                                                    | Control inputs: | 1x RS232 – for remote control |                                                                                                                                                                                                                                                                                                                  |

## DuraMON WS Power Supply

|                    |                          |                         |                         |
|--------------------|--------------------------|-------------------------|-------------------------|
| Standard:          | 90-264Vac. 50-60Hz Input |                         |                         |
| Optional:          | 18-36Vdc Input           |                         |                         |
| Power Consumption: | Size                     | P <sub>TYP</sub> (Watt) | P <sub>MAX</sub> (Watt) |
|                    | 22"                      | 20                      | 35                      |
|                    | 24"                      | 25                      | 40                      |
|                    | 27"                      | 30                      | 45                      |

## DuraMON WS Environmental Conditions

|                        |              |
|------------------------|--------------|
| Operating Temperature: | -15 to 55 °C |
| Storage Temperature:   | -25 to 70 °C |
| Relative Humidity:     | 8 to 90 %    |

## DuraMON WS Approvals

|                 |                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| CE Mark:        | EN61000-6-2 & EN61000-6-4                                                                                                           |
| Marine:         | IACS E10 Rev. 5 & IEC 60945 Ed. 4                                                                                                   |
| Type Approvals: | DNV, ABS, GL, LR, BV, CCS<br>For latest marine class approvals – see <a href="http://www.isic-systems.com">www.isic-systems.com</a> |

## DuraMON WS Physical dimensions

|          |                                                                                |                            |
|----------|--------------------------------------------------------------------------------|----------------------------|
| Size:    | 22"                                                                            | 552 (W) x 380 (H) x 68 (D) |
|          | 24"                                                                            | 601 (W) x 408 (H) x 68 (D) |
|          | 27"                                                                            | 684 (W) x 452 (H) x 68 (D) |
| Weight:  | 22"                                                                            | 9 kg                       |
|          | 24"                                                                            | 10kg                       |
|          | 27"                                                                            | 11kg                       |
| Bracket: | Desk/ceiling- and wall-bracket with IP22 rear-cover available (optional extra) |                            |

