***Display System***

***Specifications***

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**Marine Monitor Series**

19” IP66 Marine Monitors

24” IP66 Marine Monitors

S24M

S19M

# *Features*

* **IP66 Front / IP22 Rear**
* **-15°C ~ +55°C Wide Temperature and Flat-bezel Projected Capacitive Touchscreen**
* **Excellent Visual Performance**
	+ Full OSD function configuration
	+ 0%~100% full range dimming
	+ 178°/178° wide viewing angles
* **Multiple Video Input**
	+ Two VGA, two DVI, and one BNC
* **Multiple Video Output**
	+ One VGA and one BNC
* **Dual Isolated AC/DC Input with Redundant Power Protection**
* **Remote OSD Settings through LAN, RS-232, RS-422 and RS-485**



|  |  |  |
| --- | --- | --- |
| **Model** | **S19M** | **S24M** |
| LCD | LCD Size | 19” | 24” |
| Panel Type | PMVA | AMVA |
| Max. Resolution | 1280 x 1024 (5:4) | 1920 x 1080 (16:9) |
| Contrast Ratio | 2000 : 1 | 5000 : 1 |
| Brightness (cd/m²) | 300 | 300 |
| LCD Color | 16.7M | 16.7M |
| Pixel Pitch (um) | 294 x 294 | 276.75 x 276.75 |
| Viewing Angles (H-V) | 178**°** / 178**°** | 178**°** / 178**°** |
| Backlight MTBF (HRs) | 50000 | 50000 |
| Touchscreen & Controller | EXC7920 (10-point), 6H | EXC7200 (2-point), 6H |
| Scalar Chip | STDP8028 |
| I/O Ports | * DVI-D Signal Input: 2 x DVI (24-pin, female)
* VGA Signal Input: 2 x D-sub (15-pin, female)
* VGA Signal Output: 1 x D-sub (15-pin, female) - Clone of VGA IN\*
* Composite Video Input: 1 x BNC connector (female) Composite Video Output: 1 x BNC connector (female)
* RS-232/422/485 for Remote control (non-isolated)
* Touchscreen: 1 x USB Type A connector (female)
* Ethernet: 1 x RJ-45 connector for remote control
* Isolated AC Power Inlet: 100V~240V AC
* Isolated DC Terminal Block: 18V~36V DC
* 1 x Buzzer
 |
| PIP | Yes |
| OSD Button | P-CAP button (LCD on/off, Menu, Auto, Up, Down, Left, Right) |
| LED/Sensor | Ambient light sensor (0%~100%) |
| Power Requirement | Multi-power Supply:Isolated AC Power: 100-240V, 2-1A, 50-60Hz Isolated DC Power: 18-36V, 8-4A |
| Operating Temperature | -15°C ~ 55°C |
| Storage Temperature | -20°C ~ 60°C |
| Humidity | 5% to 95% RH |
| Thermal Design | Fanless |
| Housing | Aluminum front , sheet metal back (Black C) |
| Cut-out Dimensions (W x L) | 442 mm x 373 mm | 576 mm x 358 mm |
| Dimensions (W x L x D) | 463 mm x 394 mm x 113 mm | 592 mm x 374 mm x 113 mm |
| Mounting | VESA 100mm x 100mm | VESA 100mm x 100mm |
| Net Weight (kg) | 7.74 | 11.48 |
| Gross Weight (kg) | 11.54 | 15.97 |
| Approvals | EMC: CE, FCC |
| Safety: DNV, IEC 60945 4th, IACS-E10 |
| IP Rating: IP66 front, IP22 rear |

# *Ordering Information*

***w w w . i ei w or l d .c om***

|  |  |
| --- | --- |
| PN | Description |
| S19M-AD/PC-R11 | 19” SXGA 300cd/m² Marine Display with AC and DC redundant power, PCAP touch screen, R11 |
| S24M-AD/PC-R11 | 24” FHD 300cd/m2 Marine Display with AC and DC redundant power, PCAP touch screen, R11 |

# *Options*

|  |  |  |
| --- | --- | --- |
| Item | Part No. | Description |
| Panel Mount Kit | PK-S19M-R10 | For S19M |
| PK-S24M-R10 | For S24M |
| Desktop Stand | STAND-A21-R10 | For S19M & S24M |

RJ-45 Network

# *Packing List*

|  |  |  |
| --- | --- | --- |
| Item | Q'ty | Remark |
| VGA | 1 | VGA signal cable |
| DVI | 1 | DVI signal cable |
| USB | 1 | USB touchscreen cable |
| Power Cord | 1 | Power cord |
| S19M or S24M | 1 |  |

18V~36V DC Input Buzzer BNC Out 2 x VGA RS-232

***S19M***

***Fully Integrated I/O***

100V~240V AC Input RS-422/485

2 x DVI In

USB Touch

VGA Out

RJ-45 Network

18V~36V DC Input Buzzer BNC Out 2 x VGA RS-232

Grounding Screw BNC In

***S24M***

***Fully Integrated I/O***

100V~240V AC Input

RS-422/485

2 x DVI In VGA Out

Grounding Screw

100

VESA MOUNT M4 SCREW

441.80

Suggested Cut Out Size

74

75.50

8 1.50

***S19M Dimensions***

***(Unit: mm)***

366

463

438.80

170

394

170

369.80

100

372.80

BNC In

USB Touch

***Display System***

170

571

170

10.50

170

100

100

***S24M Dimensions***

***(Unit: mm)***

592

50 50

575.60

10-M4-KFE-L8

Suggested Cut out Size

1:4

30.50

169.85

169.85

30.50

196.45

41.30

374

41.30

66

74

200

353

100

76.50

10.50

356