

## Marine Monitor Series

**S19M**

19" IP66 Marine Monitors

**S24M**

24" IP66 Marine Monitors

*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**

*Specifications*

| 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/m <sup>2</sup> ) | 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                    |
| Scalar Chip                |                                 | STDP8028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| I/O Ports                  |                                 | <ul style="list-style-type: none"> <li>• DVI-D Signal Input: 2 x DVI (24-pin, female)</li> <li>• VGA Signal Input: 2 x D-sub (15-pin, female)</li> <li>• VGA Signal Output: 1 x D-sub (15-pin, female) - Clone of VGA IN*</li> <li>• Composite Video Input: 1 x BNC connector (Female)</li> <li>• Composite Video Output: 1 x BNC connector (Female)</li> <li>• RS-232/422/485 for Remote Control (Non-isolated)</li> <li>• Touchscreen: 1 x USB Type A Connector (Female)</li> <li>• Ethernet: 1 x RJ-45 Connector for Remote Control</li> <li>• Isolated AC Power Inlet: 100V~240V AC</li> <li>• Isolated DC Terminal Block: 18V~36V DC</li> <li>• 1 x Buzzer</li> </ul> |                          |
| 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:<br>Isolated AC Power: 100-240V, 2-1A, 50-60Hz<br>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 (L x W) |                                 | 442 mm x 373 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 576 mm x 358 mm          |
| Dimensions (L x W 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |

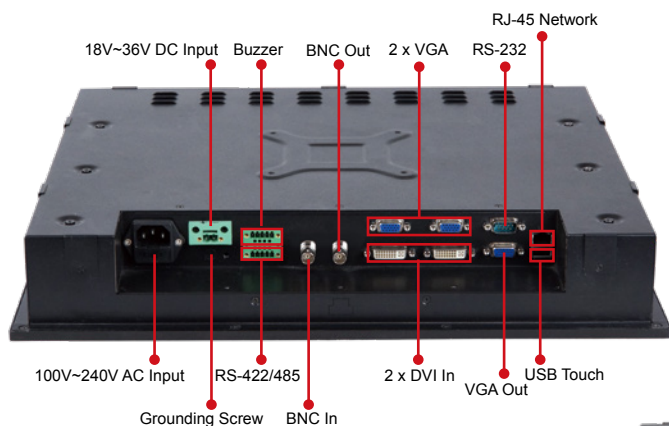
1  
ODM  
Reference

2  
IEI Mobile  
Solutions

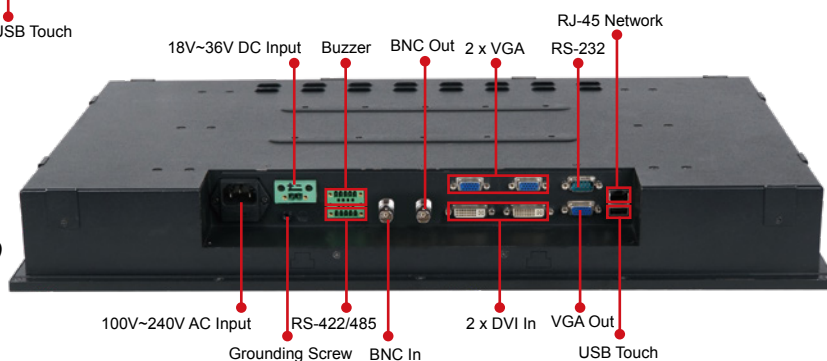
3  
Automation  
Panel  
Solutions

4  
Healthcare  
Solution

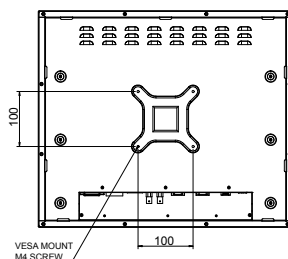
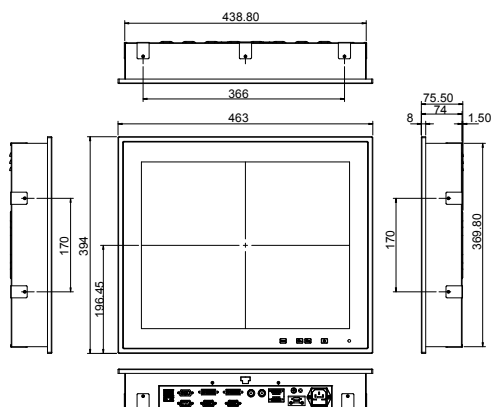
5  
Optional  
Peripherals



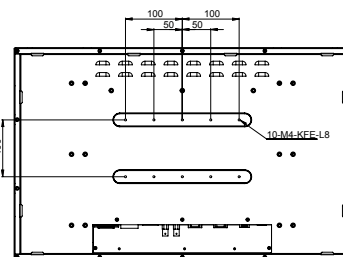
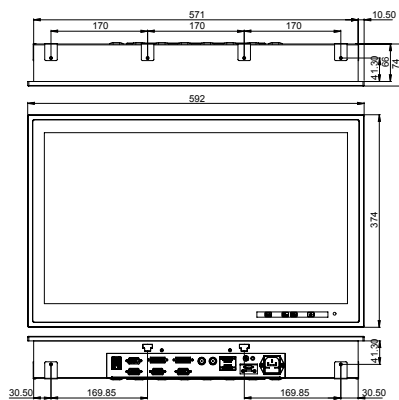
**S19M**  
*Fully Integrated I/O*



**S24M**  
*Fully Integrated I/O*



**S19M Dimensions**  
(Unit: mm)



**S24M Dimensions**  
(Unit: mm)

## Ordering Information

| PN             | Description                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------|
| S19M-AD/PC-R10 | 19" SXGA 300cd/m <sup>2</sup> Marine Display with AC and DC redundant power, PCAP touch screen, R10 |
| S24M-AD/PC-R10 | 24" FHD 300cd/m <sup>2</sup> Marine Display with AC and DC redundant power, PCAP touch screen, R10  |

## 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 |

## Packing List

| Item                    | Q'ty | Remark                  |
|-------------------------|------|-------------------------|
| User Manual & Driver CD | 1    | Drivers and user manual |
| VGA                     | 1    | VGA Signal Cable        |
| DVI                     | 1    | DVI Signal Cable        |
| USB                     | 1    | Touch Screen Cable USB  |
| Power Cord              | 1    | Power Cord              |
| S19M or S24M            | 1    |                         |