



## SONOVE M2 Maritime Monitor





- ✓ Designed for Maritime Automation and Navigation
- ✓ Display Sizes: 27", 24", 24" HB, 18.5", 18.5" HB
- ✓ With or without PCAP Multi-Touch
- ✓ Full Range Dimming (0 .. 100%)
- ✓ Additional I/O and COM Ports for Remote Control
- ✓ ECDIS Compliant / Calibrated for your ECDIS Applications
- ✓ „Made in Germany“
- ✓ Type Approval: DNV, tested according to EN 60945  
EU-RO-MR

### Display

|             |                                                             |
|-------------|-------------------------------------------------------------|
| M2-M-27     | 27 inch, 1920 x 1080, 300 cd/m <sup>2</sup>                 |
| M2-M-24     | 24 inch, 1920 x 1080, 300 cd/m <sup>2</sup>                 |
| M2-M-24HB   | 24 inch, High Bright, 1920 x 1080, 1000 cd/m <sup>2</sup>   |
| M2-M-18.5   | 18.5 inch, 1920 x 1080, 300 cd/m <sup>2</sup>               |
| M2-M-18.5HB | 18.5 inch, High Bright, 1920 x 1080, 1000 cd/m <sup>2</sup> |

### Remote Control

|     |                                                                     |
|-----|---------------------------------------------------------------------|
| DDC | DDC Remote Control on all Video Inputs                              |
| COM | Various Serial Remote Protocols                                     |
| I/O | Remote Control I/O Interface with Digital/Analog Inputs and Outputs |

### Interface

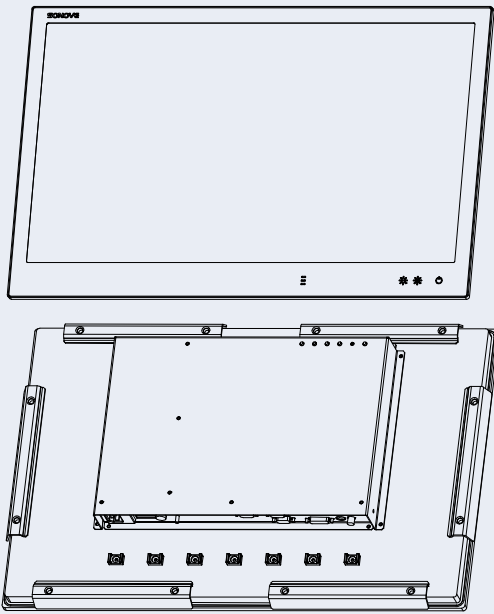
|            |                                                                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video In   | 2 x DVI-I<br>1 x VGA                                                                                                                                                        |
| USB        | Capacitive Multi-Touch                                                                                                                                                      |
| OSD        | OSD Keypad with LED on Backside                                                                                                                                             |
| Dig. In    | Dimming(+/-), Video Input Select, Buzzer Control                                                                                                                            |
| Dig. Out   | Relais Output (galv. isolated) for External Buzzer                                                                                                                          |
| Analog Out | External Status LEDs                                                                                                                                                        |
| Analog In  | Potentiometer Input for Dimming                                                                                                                                             |
| COM        | Serial Interface for Remote Protocol <ul style="list-style-type: none"> <li>• RS232, RS485/422 configurable in OSD</li> <li>• COM (x1), COM (x2) for Daisy-Chain</li> </ul> |



## Mounting Options

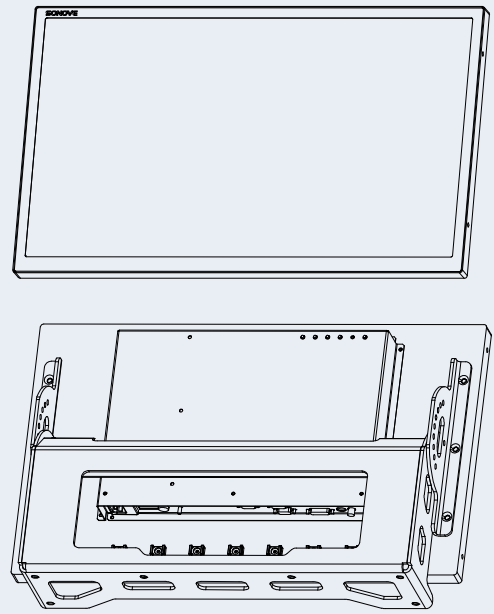
### Flush Mount (FM)

- ✓ Flush Mounting with Console Mounting Kit
- ✓ Capacitive Front Keys, Power On/Off and Dimming  
Optional Multi-Color Status LEDs
- ✓ Capacitive Multi-Touch or Antireflex Glass
- ✓ M2 Control Interface

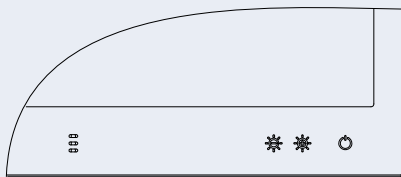


### Desktop, Wall, Ceiling

- ✓ Desk, Wall, Ceiling Mounting with Mounting Bracket
- ✓ Thin Frame without any Front Keys and LEDs  
(Backside Keys and LED)
- ✓ Capacitive Multi-Touch or Antireflex Glass
- ✓ M2 Control Interface



### M2 Front Keys and LEDs

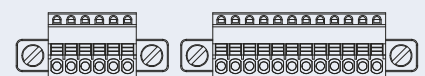


- ✓ Capacitive Front Keys, Power On/Off with Status LED
- ✓ Capacitive Front Keys for Dimming
- ✓ All Keys with Backlight (dimnable)
- ✓ Multi-Color Status LEDs (optional)

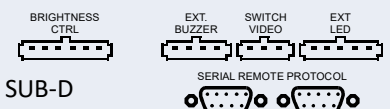
### M2 Remote Control Interface

- ✓ RS 232/485/422 for Remote Control
- ✓ Dig. IN for Dimming Keys (+/-) and Potentiometer IN
- ✓ Dig. IN for Video Source Select
- ✓ Buzzer Control IN and Relais OUT for External Buzzer
- ✓ Analog OUT for Multi-Color Status LED

- ✓ Screwless  
Cable Entry Plugs



- ✓ Alternatively  
SMP Connectors and SUB-D



### Examples of M2 Monitor standard systems with order information

#### M2 Monitor, 18.5 inch

|                      |              |                                                                                                                                                              |
|----------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M2-M-18.5 DT GL DCAC | 562.003.yyyy | M2 Monitor, 18.5 inch, Redundant 24VDC and 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Desktop Mounting Bracket <sup>(1)</sup> |
| M2-M-18.5 FM CT AC   | 568.001.yyyy | M2 Monitor, 18.5 inch, Flush Mount, Capacitive Multi Touch, 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Console Mounting Kit   |

#### M2 Monitor, 18.5 inch, High Bright

|                        |              |                                                                                                                                                                        |
|------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M2-M-18.5HB DT GL DCAC | 562.103.yyyy | M2 Monitor, 24 inch, High Bright, Redundant 24VDC + 115/230VAC, 1920 x 1080, 16:9, 1000 cd/m <sup>2</sup> , 2 x DVI, Accessory Desktop Mounting Bracket <sup>(1)</sup> |
| M2-M-18.5HB FM CT AC   | 568.101.yyyy | M2 Monitor, 24 inch, High Bright, Flush Mount, Capacitive Multi Touch, 115/230VAC, 1920 x 1080, 16:9, 1000 cd/m <sup>2</sup> , 2 x DVI, Accessory Console Mounting Kit |

#### M2 Monitor, 24 inch

|                    |              |                                                                                                                                                          |
|--------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| M2-M-24 DT GL DCAC | 582.003.yyyy | M2 Monitor, 24 inch, Redundant 24VDC + 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Desktop Mounting Bracket <sup>(1)</sup> |
| M2-M-24 FM CT AC   | 588.001.yyyy | M2 Monitor, 24 inch, Flush Mount, Capacitive Multi Touch, 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Console Mounting Kit |

#### M2 Monitor, 24 inch, High Bright

|                      |              |                                                                                                                                                                                                |
|----------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M2-M-24HB DT CT DCAC | 587.103.yyyy | M2 Monitor, 24 inch, High Bright, Capacitive Multi Touch, Redundant 24VDC + 115/230VAC, 1920 x 1080, 16:9, 1000 cd/m <sup>2</sup> , 2 x DVI, Accessory Desktop Mounting Bracket <sup>(1)</sup> |
| M2-M-24HB FM GL DC   | 583.102.yyyy | M2 Monitor, 24 inch, High Bright, Flush Mount, 24VDC, 1920 x 1080, 16:9, 1000 cd/m <sup>2</sup> , 2 x DVI, Accessory Console Mounting Kit                                                      |

#### M2 Monitor, 27 inch

|                    |              |                                                                                                                                                          |
|--------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| M2-M-27 DT GL DCAC | 591.003.yyyy | M2 Monitor, 27 inch, Redundant 24VDC + 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Desktop Mounting Bracket <sup>(1)</sup> |
| M2-M-27 FM CT AC   | 597.001.yyyy | M2 Monitor, 27 inch, Flush Mount, Capacitive Multi-Touch, 115/230VAC, 1920 x 1080, 16:9, 300 cd/m <sup>2</sup> , 2 x DVI, Accessory Console Mounting Kit |

<sup>(1)</sup> Not included in delivery scope

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