



# VMD-1901SX VND-1901SX-8U 19" Military Display

- 19" Color LED LCD
- Wide Viewing Angle
- Fanless Design
- AR Safety Glass Window
- Design For Shipboard, Ground Mobile, Airborne Use
- Designed and Built to Meet:  
MIL-DTL-901E, MIL-STD-167-1A, MIL-STD-810G, MIL-STD-461F



| Specifications                                |                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Type:                                 | 19" Color TFT Active Matrix LCD                                                                                                                                                                                           |
| Native Resolution:                            | 1280 x 1024                                                                                                                                                                                                               |
| Viewing Angle:                                | ± 80° All directions                                                                                                                                                                                                      |
| Display Colors:                               | 16.7 Million                                                                                                                                                                                                              |
| Active Area:                                  | 376.32 (H) x 301.056 (V) mm<br>14.816 (H) x 11.853 (V) inches                                                                                                                                                             |
| Pixel Pitch:                                  | 0.294 (H) x 0.294 (V) mm                                                                                                                                                                                                  |
| Luminance:                                    | 500 cd/m <sup>2</sup> Typical w/LED Backlights<br>Dims to zero                                                                                                                                                            |
| Contrast Ratio:                               | 1000:1 Typical                                                                                                                                                                                                            |
| Response Time:                                | 20 ms Typical                                                                                                                                                                                                             |
| Front Controls:                               | Brightness, Menu, Power                                                                                                                                                                                                   |
| Synchronization Range<br>Horizontal/Vertical: | 31.5 ~ 80.0 kHz / 60 Hz, 75 Hz                                                                                                                                                                                            |
| Video Input:                                  | DVI-D, VGA (HD15F), NTSC, S-Video                                                                                                                                                                                         |
| Power:                                        | <b>Voltage:</b> 115~230 VAC<br><b>Power:</b> <50 watts Typical 60 Hz ± 3%<br><b>Chassis Connector:</b><br>MS3102A-10SL-3P or equivalent<br>IEC-320 (8U)<br><b>MATE:</b><br>MS3106R10SL-3P or equivalent<br>(not supplied) |

| Environmental |                                                                                                                                                                    |                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Temperature:  | <b>Operating:</b><br>0°C to 55°C<br>MIL-STD-810G, Method 502/501 Proc II                                                                                           |                                        |
|               | <b>Storage:</b><br>-40°C to 70°C<br>MIL-STD-810G, Method 502/501 Proc I                                                                                            |                                        |
| Humidity:     | <b>Operating/Storage:</b><br>5% to 95% RH Non-condensing<br>MIL-STD-810G, Method 507                                                                               |                                        |
| Altitude:     | <b>Operating:</b><br>0 to 20,000 ft ASL                                                                                                                            |                                        |
|               | <b>Storage:</b><br>0 to 45,000 ft ASL<br>MIL-STD-810G, Method 500                                                                                                  |                                        |
| Shock:        | MIL-DTL-901E, Grade A, Class I, Type A,<br>Vertical Axis Only                                                                                                      |                                        |
| Vibration:    | MIL-STD-167-1A, Type I                                                                                                                                             |                                        |
| Drip Proof:   | MIL-STD-810G, Method 506 Proc II Front Only                                                                                                                        |                                        |
| Fungus:       | MIL-STD-810G, Method 508                                                                                                                                           |                                        |
| EMI:          | MIL-STD-461F, CE102, RE101, RE102,<br>RS101, RS103, CS101, CS114, CS116                                                                                            |                                        |
|               | Physicals:                                                                                                                                                         | <b>1901SX</b> <b>1901SX-8U</b>         |
|               | Height:                                                                                                                                                            | 15.72 in      13.97 in                 |
|               | Width:                                                                                                                                                             | 19.00 in      19.00 in (17.72 chassis) |
|               | Depth:                                                                                                                                                             | 3.25 in      3.25 in                   |
| Weight:       | 21 lbs      16 lbs                                                                                                                                                 |                                        |
|               |                                                                                                                                                                    |                                        |
| Mounting:     | Rack/Console/VESA                                                                                                                                                  |                                        |
| Options:      | Resistive Touch Panel (USB or RS232)<br>AG (Anti-Glare) coating<br>Sunlight Readable<br>SDI Video Input IAW SMPTE<br>425M, 424M, 292M, 259M-C<br>DisplayPort, HDMI |                                        |



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