

SRMOBW-19U-24

19" Waterproof Sunlight Readable Outdoor Monitors

- 1,000 nits Brightness
- Produces Clear, Sharp Images Even in Direct Bright Sunlight
- Optical Bonding For Increased Contrast Ratio
- Protective Anti-Reflective Glass
- Waterproof NEMA 4X Stainless Steel Enclosure
- High Resolution: 1280 x 1024 (SXGA)
- Video Inputs: VGA, HDMI, Composite (BNC Loop-Thru)
- Lockable On-Screen Display (OSD) Controls
- Auto Re-Start After Power Loss
- 3-Year Warranty



19 WATERPROOF SUN DISPLAY

The SRMOBW-19U-24 are 19" waterproof sun displays with the addition of Optical Bonding. They feature at least 1000 nits screen brightness and a 4:3 aspect ratio. We design the SRMOBW-19U-24 19" 1000 nits display for use in direct sunlight. Consequently, they are also perfect for other high ambient-light conditions. They utilize state-of-the-art LED backlights. The models in this series produce at least 1,000 nits brightness. In contrast, this is over 3 to 5 times brighter than standard monitors. For example, standard monitors are only 200-300 nits brightness. Therefore, the result is an amazingly bright screen. This will provide you with crystal-clear images, even with bright, direct sunlight on the face of the screen.

OPTICAL BONDING



The SRMOBW-19U-24 19" waterproof sun displays feature Anti-Reflective glass to protect the LCD panel. The glass also reduces unwanted surface reflections. However, the glass also introduces internal reflections. Therefore, TRU-Vu daylight readable monitors include **Optical Bonding**. This process injects an optical-grade resin into the air gap between the LCD panel and the glass, and completely fills the gap. The Optical Bonding eliminates the internal reflections and increases the contrast ratio, thereby greatly improving image quality. Optical Bonding also eliminates moisture and condensation beneath the glass.

RUGGED INDUSTRIAL WATER PROOF MONITORS

These 19" 1000 nit displays are extremely rugged. For instance, we build them with true industrial-grade components. Furthermore, they receive our exclusive TRU-Tuff treatment. The TRU-Tuff process includes RTV silicone on all connections

and critical components. Additionally, all wires are dressed, tie-wrapped and secured. Lastly, we apply ThreadLock to all screws. The rugged Stainless Steel NEMA 4X Waterproof enclosure ensures maximum shock and vibration resistance for this rugged 1000 nit monitor.

These monitors feature a rugged waterproof stainless steel enclosure. It is impervious to liquids, rust or corrosion. It is rated NEMA 4X, and features protective Anti-Reflective glass over the LCD panel. This monitor will withstand the elements outdoors and wash-downs in industrial and food processing plants. For instructions on maintaining water tight integrity, follow these procedures: [Cable Entry for TRU-Vu Waterproof Monitors \(PDF\)](#)

HIGH BRIGHT WATER PROOF MONITOR WITH EXTREME OPERATING TEMPERATURES

We design the SRMOBW-19U-24 19" High Brightness Display Series to operate in nearly any environmental conditions. Whether in frigid conditions or blazing heat, these sunlight displays will survive and thrive. To clarify, these monitors will operate in temperatures down to -22°F (-30°C). They will also withstand brutal heat. Moreover, operating temperatures go up to 185°F (85°C). The rugged waterproof stainless steel enclosure assures these 19"high brightness displays will provide years of reliable imaging performance. Specifically, typical MTBF for these monitors is 50,000 hours.

TRU-VU MONITORS ARE DEPLOYED WORLDWIDE - LET OUR EXPERTS HELP YOU FIND THE BEST 19" DISPLAY

Our 19" Sunlight Readable LCD 1000 nit screen brightness monitors have been deployed in a wide range of demanding industries. For example, military, law enforcement, and entertainment benefit. They are also deployed in the inspection, marine, oil & gas, industrial and transportation industries. TRU-Vu monitors are backed by our full 3-Year Warranty. This ensures you of many years of reliable service for your high bright outdoor display.

See our full line-up of industrial-grade Sunlight Readable and Daylight Readable. This highlights all of our high brightness monitors. Additionally, you'll find the sunlight readable touch screens in all the sizes and configurations available. With over 540 models, we realize it may be a bit overwhelming. Utilize our [Advanced Search Tool](#) to help narrow down the choices by features that are important to you. View similar sized monitors 13-19", filter by only water proof displays, or 24VDC monitors. TRU-Vu can provide modified or Custom OEM LCD Displays. Private Label Monitors are also an option if you have very specific requirements.

We are always here to help understand and discuss your particular application and provide the best possible monitor or touch screen solution.

SPECIFICATIONS

	SRMOBW-19U-24
LCD Panel	19" Color TFT LCD Monitor; LED Backlights
Resolution	1280 x 1024 (SXGA)
Image Size (mm)	14.81" (W) x 11.85" (H) (376.32 mm x 301.06 mm)
Pixel Pitch	0.294mm
Display Colors	16.7 Million
Aspect Ratio	4:3 (5:4)
Brightness	1,000 nits
Contrast Ratio	1,000:1
Viewing Angle	170° (H) x 160° (V)
Response Time	10 msec Trf
Control	OSD (On-Screen Display via Rear Panel Pushbuttons)
Video Inputs	VGA, HDMI, Composite BNC Loop-Thru (1 BNC Input, 1 BNC Output)

SRMOBW-19U-24	
In / Output Impedance	75Ω / Auto Terminating Output
Power Requirement	12-24 VDC
Power Consumption	TBD
Enclosure	Stainless Steel
Enclosure Rating	NEMA 4X
Mounting	75 x 75 mm VESA Hole Pattern on Rear Panel
Operating Temperature	-22° to +185° F (-30° to +85° C)
Humidity	5-90% RH
Shock	50 G (20 msec, 1/2 sine)
Vibration	1.5G RMS 10-200 Hz
Dimensions	TBD
Weight	TBD

Note: Specifications subject to change without notice.

Standard Accessories:

- Power Pigtail

Available Options:

- Waterproof Panel-Mount Enclosure (SRMOBWP-19C)
- AC Power Supply (PS-12)
- Private-Label
- Other Customer-Specific Modifications