

SRMOB-19U

19" Sunlight Readable LCD Optically Bonded

- 1,000 nits Brightness
- Produces Clear, Sharp Images Even in Direct Bright Sunlight
- Optical Bonding Improves Contrast Ratio
- LED Backlights and Protective Anti-Reflective Glass
- Lockable OSD Controls
- TRU-Tuff Treatment for Maximum Shock/Vibration Resistance
- 3-Year Warranty
- TAA Compliant



19" SUNLIGHT READABLE LCD WITH HIGH BRIGHTNESS

SRMOB-19U are 19" sunlight readable LCD displays with the addition of Optical Bonding. They feature at least 1000 nits brightness! They are 4:3 aspect ratio. We design the SRMOB-19U 19" 1000 nits displays 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 SRMOB-19B 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.

MONITORS WITH OPTICAL BONDING



The SRMOB-19U 19" sunlight readable LCD 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 MONITORS

These 19" sunlight readable LCD 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 ABS enclosure ensures maximum shock and vibration resistance for this rugged 1000 nit monitor.

EXTREME OPERATING TEMPERATURE MONITOR

We design the SRMOB-19-U 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 ABS enclosures assures these 19" high brightness displays will provide years of reliable imaging performance. Specifically, typical MTBF for these monitors is 50,000 hours.

OUR TECHNICAL EXPERTS ARE READY TO ASSIST YOU IN FINDING THE BEST MONITOR

Our 19" sunlight readable LCD 1000 nit monitors have been deployed in a wide range of demanding industries. For example, military, law enforcement, aviation and entertainment benefit. They are also deployed in inspection, marine cranes, and transportation. TRU-Vu monitors are backed by our full 3-Year Warranty. This ensures you of many years of reliable service.

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. We offer over 540 models of touch screens and monitors. Use our [Advanced Search Tool](#) to help you hone down the choices. You may filter by features important to you. See all [mid-sized monitors](#), or view only those [monitors that operate on 24VDC](#). TRU-Vu can provide modified or Custom OEM LCD Displays. Private Label Monitors are also an option if you have very specific requirements.

Feel free to give us a call to discuss. We are here to listen and understand your application so that we may provide the best possible solution. We want your selection to be everything you hoped it would be.

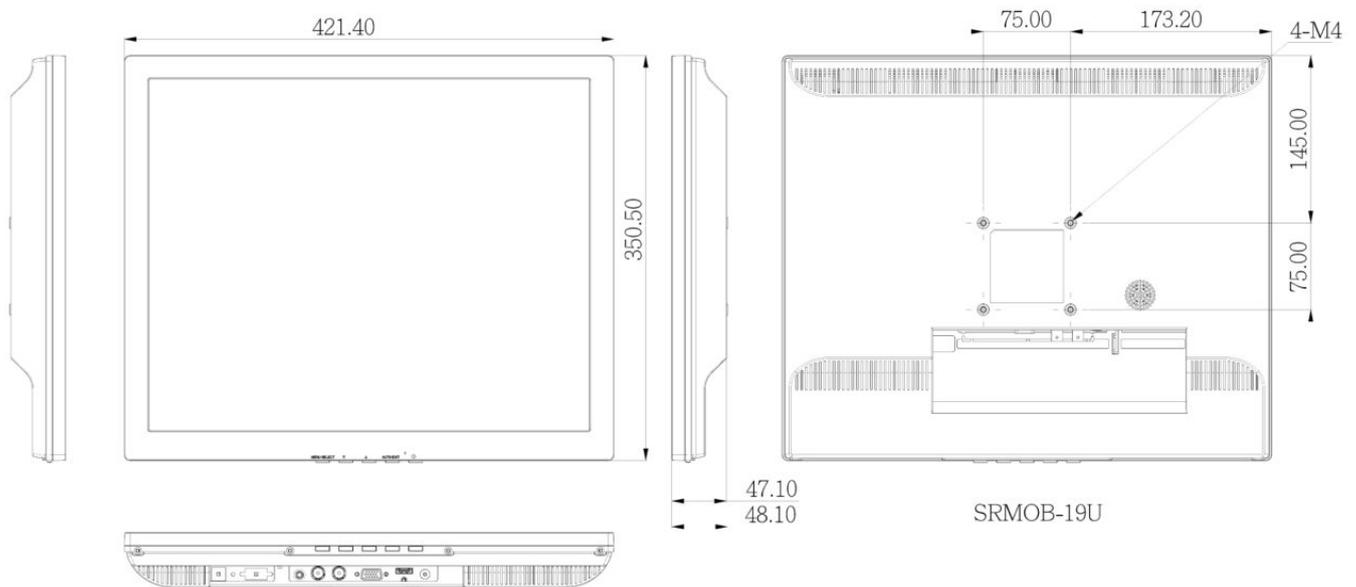
SPECIFICATIONS

	SRMOB-19U
LCD Panel	19" Color TFT LCD Monitor
Screen Treatment	Optically Bonded
Resolution	1280 x 1024 (SXGA)
Image Size (mm)	14.81" (W) x 11.85" (H) (376.17 x 300.98 mm)
Pixel Pitch	0.294mm x 0.294mm
Display Colors	16.7 Million
Aspect Ratio	4:3 (5:4)
Brightness	1,000 nits
Contrast Ratio	1,200:1
Viewing Angle	170° (H) x 160° (V)
Response Time	5 msec Trf
Control	OSD (On-Screen Display) via Front Panel Push buttons
Video Inputs	VGA, HDMI, Composite BNC Loop-Thru (1 BNC Input, 1 BNC Output), NTSC/PAL Auto-Recognition
In / Output Impedance	75Ω / Auto Terminating Output
Audio	Dual Front Speakers
Power Requirement	12 VDC (2.1mm Connector) / 90-240 VAC with Included Power Brick
Power Consumption	48 Watts
Enclosure	ABS
Mounting	75 x 75 mm VESA Hole Pattern on Rear Panel
Operating Temperature	32° to 122°F / (0° to +50°C)

SRMOB-19U	
Humidity	5-90% RH
Shock	50 G (20 msec, 1/2 sine)
Vibration	1.5G RMS 10-200 Hz
Dimensions	16.59" (W) x 13.80" (H) x 1.89" (D) (421.40 (W) x 350.50 (H) x 48.10 (D) mm)
Weight	11 lb / 5 kg

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



Standard Accessories:

- 90-240 VAC Power Adapter
- VGA Cable
- Audio Cable

Available Options:

- S-Video, or DVI Video Inputs
- Powder-Coated Steel Enclosure
- -22° to +185°F Operating Temperature
- Waterproof Enclosure (SRMOBW-19U-24)
- Waterproof Panel-Mount Enclosure (SRMOBWP-19C)
- 12-24VDC Operation
- Rack Mount Bracket MB-Rack-19
- Open-Frame Configuration
- Private Label
- Other Customer - Specific Modifications