SRMHOBW-13.3U

13.3" Sunlight Readable Waterproof Monitor – Optical Bonding

- 1,500 nits Brightness
- Produces Clear, Sharp Images Even in Direct Bright Sunlight
- Optical Bonding for Improved Image Quality and Safety
- Waterproof NEMA 4X Stainless Steel Enclosure
- Protective Anti-Reflective Glass
- Lockable On-Screen Display (OSD) Controls
- Auto Re-Start After Power Loss
- *TRU-Tuff* Ensures Maximum Shock and Vibration Resistance
- Ambient Light Sensor Adjusts Brightness Automatically
- Optional Lightweight Aluminum Enclosure
- 3-Year Warranty
- TAA Compliant

SUNLIGHT READABLE WATERPROOF MONITOR

The SRMHOBW-13.3U Series are 13.3″ Sunlight Readable Waterproof Monitors. They have the additional feature of Optical Bonding. They feature at least 1500 nits screen brightness . These models all have a 16:9 aspect ratio and full HD resolution. We design the SRMHOBW-13.3U Series 13″ 1500 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 1,500 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.

MONITOR WITH OPTICAL BONDING TO REDUCE REFLECTIONS

This Series of 13.3″ 1500 nit 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. Consequently, it increases the contrast ratio, thereby greatly improving image quality. Optical Bonding also eliminates moisture and condensation beneath the glass.

RUGGED INDUSTRIAL MONITORS

These 13.3″ sunlight readable waterproof 1500 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 Waterproof NEMA 4X Stainless steel enclosure ensures maximum shock and vibration resistance for this rugged 1500 nit monitor.

WATERPROOF OUTDOOR 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)

EXTREME OPERATING TEMPERATURE MONITOR

We design the SRMHOBW-13.3U Series 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 -4°F (-20°C). They will also withstand brutal heat. Moreover, operating temperatures go up to 158°F (+70°C). The rugged Stainless Steel NEMA 4X Waterproof enclosure assures these 13.3″sunlight readable waterproof monitor will provide years of reliable imaging performance. Specifically, typical MTBF for these monitors is 50,000 hours.

OUTDOOR MONITORS DEPLOYED WORLDWIDE

Our 13.3″ Sunlight Readable LCD 1500 nit screen brightness 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 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.

FIND THE BEST 13″ OUTDOOR MONITOR FOR YOUR APPLICATION

Use our Advanced Search Tool to narrow your search by your specific requirements. 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. Shop by size 13″ to 19″ monitors or Waterproof Monitors and touch screens, or learn more about Optical Bonding. View all 24VDC Monitors. Custom OEM LCD Displays and Private Label Monitors are also an option if you have specific requirements. Visit our wide range of LCD monitor mounts and stands to complete your installation.
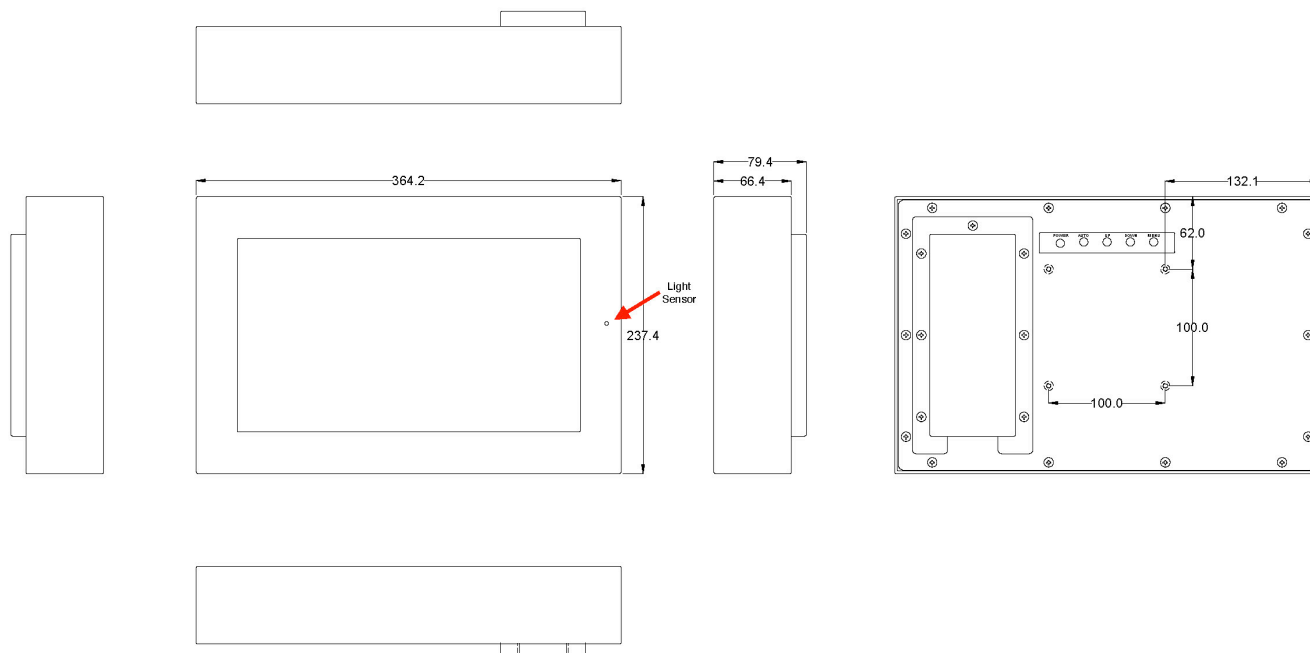
SPECIFICATIONS

	SRMHOBW-13.3U
LCD Panel	13.3" AHVA LCD; LED Backlights
Screen Treatment	Optically Bonded
Display Resolution	1920 x 1080 (1080P/60 Full HD)
Viewable Area	11.55" (W) x 6.50" (H) (293.472 x 165.078 mm)
Pixel Pitch	0.15285mm
Display Colors	16.2 M
Aspect Ratio	16:9

	SRMHOBW-13.3U
Brightness	1,500 nits
Optical Bonding	Standard
Contrast Ratio	800:1
Viewing Angle	178° (H) x 178° (V)
Response Time	25msec Trf
Control	OSD (On-Screen Display) via Rear Panel Pushbuttons
Video Inputs	VGA, HDMI, Composite (BNC Loop-Thru)
Power Requirement	9-36VDC (2.5mm Connector)
Power Consumption	29W
Enclosure	Stainless Steel
Enclosure Rating	NEMA 4X
Glass Rating	IK07
Mounting	100 x 100mm Rear VESA Mount Holes (M4 x 6mm Screws)
Operating Temperature	-4° to +158° F (-20° to +70° C)
Humidity	5-90% RH
Shock	50 G (20 msec, 1/2 sine)
Vibration	1.5G RMS 10-200 HZ
Dimensions	14.33" (W) x 9.34" (H) x 3.12" (D) (364.2 x 237.4 x 79.4 mm)
Weight	9.56 Lbs (4.24 kg)
Warranty	3 Years

Note: Specifications subject to change without notice.

DIMENSIONS (MM)

SRMHOBW-13.3U

Light
Sensor

364.2

237.4

79.4
66.4

132.1

62.0

100.0

100.0

Standard Accessories:

- Locking (2.5mm) Power Pigtail
- VGA Cable
- HDMI Cable

Available Options:

- 90-240 VAC External Power Adapter (PS-12 LC)
- Lightweight Aluminum Enclosure (SRMHOBW-13.3U-A)
- Without Optical Bonding (SRMHW-13.3U)
- DVI Input
- Touch Screen
- Private-Label
- Waterproof Outdoor Wall Mount Bracket (MBX-670)