



Optical Bonding Options Overview

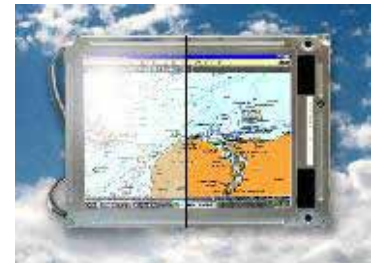


Optical Bonded Panel (OBP)

LCD Optical Bonding is the science of laminating an optical substrate, weather Optically enhancing or protection based, to the front surface of an LCD. In Most cases we apply the science of optical bonding in our LCD to make them Daylight Readable. By reducing the number of air gap surfaces and matching the panels Index of Refraction of the bonding material you can enhance the LCD's Contrast Ratio, Reduce the Internal Reflection, an make an LCD not normally Visible in the Daylight outdoor conditions pop out and make you take notice. In addition to the optical enhancements of optical bonding it also is more shock, vibration and Moisture resistant. DIT has worked with many pioneering companies to bring to the marketplace A line of optically enhanced LCD's that we can integrate into our standard product lines.

Optical Bonded Touch (OBT)

DIT has added to it's product line the option of a touch technology which is Optically Bonded to the surface of your LCD. This option combines the functionality to touch with the Optical Clarity while also being Shock and Moisture resistant.



Solar Enhanced Panel (SEP)

We have also been working on the technology of IR, UVa, and UVb products for our digital signage panels that are not only day light readable but Daylight durable. An LCD panel Exposed to the harmful rays of the sun can experience a condition of Isotropic Front Loading were the LCD panel will reach too high of a temperature and the Panel will go black. DIT has worked closely with Glass Mfg's and and Optical Bonding partners to bring to our customers the incredible technology of Solar Enhanced Panels (SEP). These panels use the latest technology that enhances the picture, Employs AR Glass technology and Daylight readability with IR, UVa , and UVb Survivability.



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