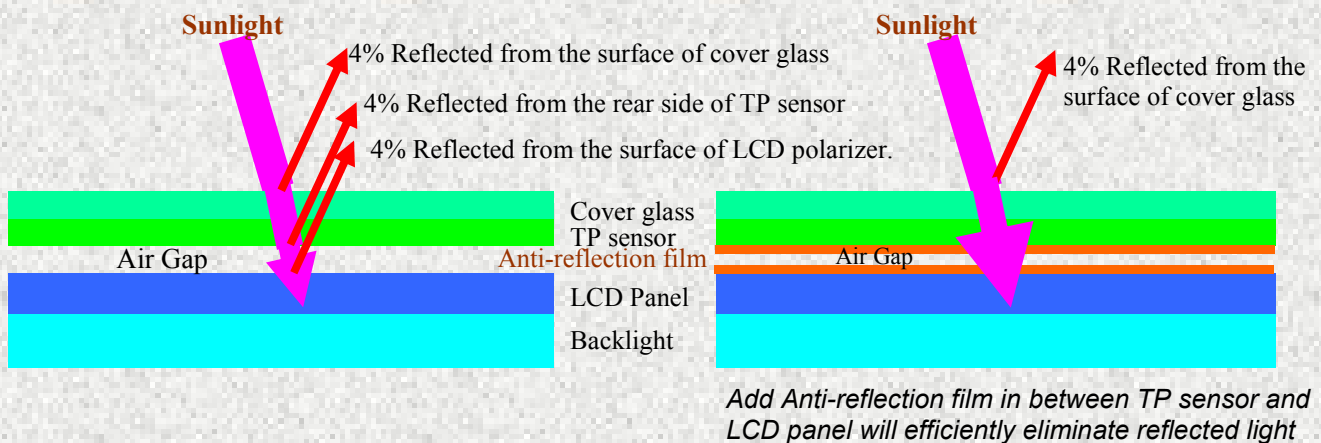




Display for outdoor use is often difficult to read under strong sunlight. Products with Touch Panel will encounter this issue more severely. To enhance readability of display image under the sun, URT has developed Sunlight Readable Technology and the characteristic is described as below:

1. Adopt AR films to minimize surface reflection due to air gap between TP and LCM



The AR film provides similar optical function as a full optical bonding, made by glue, while with a more competitive price point.

As the AR film is very touch sensitive, the usage of the film can be only in connection with some kind of front cover, to protect the film to be touched, and therefore keep the full functionality over time.

2. Adopt higher brightness back light to increase readability under sunlight (from 300nits up to 700nits).



When boosting up brightness, not only number of LED chips but also other options to maximize the optical efficiency, such as DBEF, are considered to avoid excess power consumption. URT use high brightness back-light collocating with 3M DBEF film to increase LCM brightness, to avoid adding too much power and reduce heat.

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