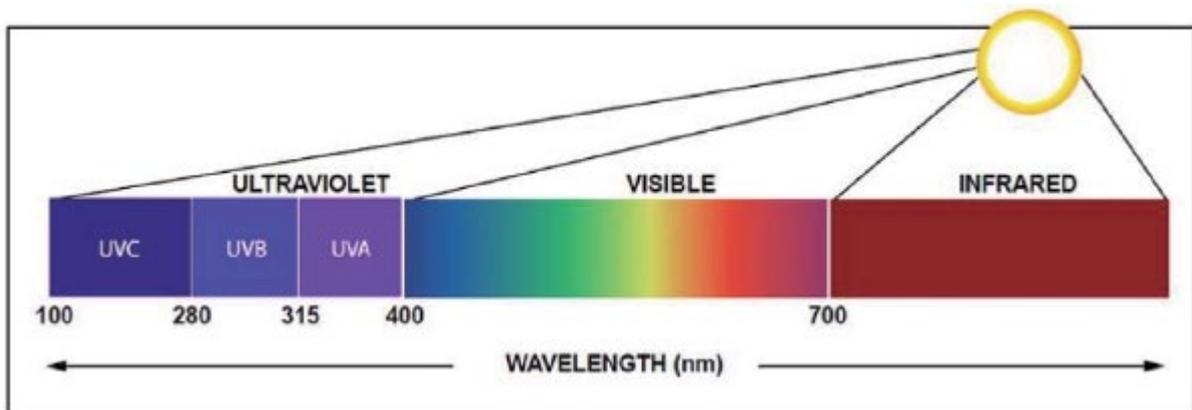


# AMT Dominates The Touch Panel Anti-UV Race In The Home Stretch

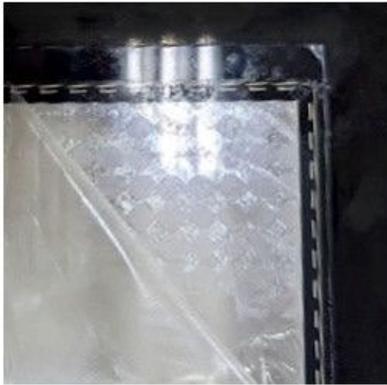
Projected Capacitive (PCAP) touch applications are increasingly widespread, with a significant increase in outdoor usage. However, the biggest challenge in outdoor applications is prolonged exposure to sunlight, where ultraviolet (UV) rays can cause cosmetic defects and even potentially affect product functionality. AMT's anti-UV design for PCAP touch panels sets it apart from other competitors, providing longer-lasting protection for your PCAP touch display and ensuring that your touch products are not harmed by UV radiation.



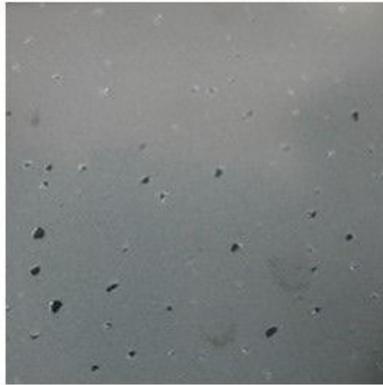
## AMT PCAP Touch Is Impenetrable

UV wavelengths range from 100nm to 400nm and can be classified into UVA (315nm - 400nm), UVB (280nm - 315nm), and UVC (100nm - 280nm). The cover glass of a PCAP touch panel typically blocks UVB and UVC wavelengths below 300nm, but UVA still penetrates the glass, causing damage to the underlying touch panel or LCD panel. This damage can result in diamond patterns, yellowing, hazing, bubbling, or cracking. AMT's professional technology provides longer-lasting protection against UV, preventing its harmful effects in this final stretch!

## Cases of UV Damage



**Diamond Patterns**



**Cracking**



**Bubbling**

## AMT Can Help

Recently, a company which utilizes PCAP touch panels with anti-UV designs from other suppliers contacted AMT for help. Their products exhibited abnormalities in appearance after exposed to UV (as above photo). Our design team investigated the case and discovered that UVA are able to penetrate the glass, damages the underlying ITO film, resulting in cosmetic defects in the customers' products. However, AMT's anti-UV projected capacitive touch panels offer high-quality design and can effectively prevent the damage caused by UV.

## Certified Shielding

AMT's anti-UV design for PCAP touch panels meets the testing standards of **ASTM G154 Cycle 1 - 1,000 hours** and **MIL-STD-810H Pro 1 - 1,000 hours**. This ensures the durability and reliability of PCAP products for outdoor use, making it an excellent choice. If your product requires long-term resistance to sunlight exposure, such as vending machines, gas stations, electric vehicle charging stations, marine systems, transportation vehicles, and more, AMT's anti-UV PCAP touch panels can meet your needs. We also provide long-term stable after-sales service.