



*Your Total LCD Solutions Provider*

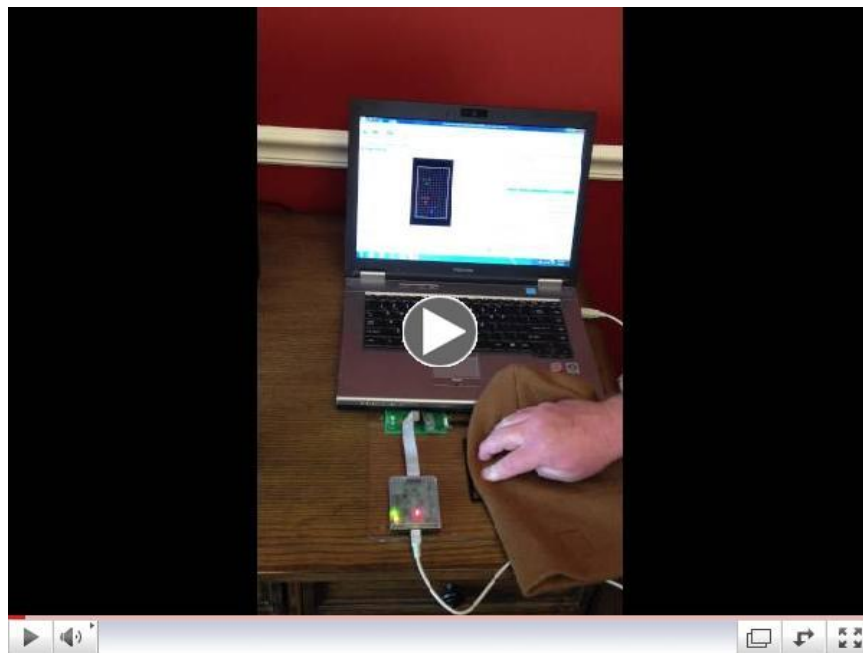
October 2014

## Featuring the latest breakthrough in Cap Touch Technology Capacitive Touch Panels with Glove Operation

Operation with gloves has been the "Achilles Heel" of capacitance touch panels.  
Gloves insulate the body capacitance from the sensor used in CAP touch.  
The thicker the glove, the bigger the technical challenge.

Our factory has more patents on capacitance touch technology than any of our competitors.  
As the technical leader, we have been working hard on CAP Touch (CTP) operation  
with gloves for several years.

Glove touch requires a high sensitivity capacitive touch panel.  
The controller IC must be capable of switching back to low sensitivity for normal operation  
with fingers or a pen. Background noise complicates the technical challenge.  
Shielding may be required to prevent false readings. Shielding is not possible with  
OGS construction, so operation with gloves may require a thicker (G+G) profile.



### Cap Touch with Gloves

Our featured demo at the 2014 SID show in June was this demo showing CTP operation with thick gloves: <http://www.orientdisplay.com/Demo-Board-Support.html> (scroll to the bottom video in this list on our web site). You can see from this video thick gloves are no problem!

## Capacitance Touch Panels

We manufacture Projected Capacitance Touch Panels (P-CAP) using mutual capacitance method.

We have more patents for capacitance touch panel technology than any other manufacturer.

P-CAP offers multi-finger and gesture operation for Windows compatibility.

Our specialty is optical bonding, which eliminates the air gap and offers superior optical performance.

Our rugged cover lens using Gorilla Glass or Dragontrail Glass can withstand a 12 pound steel hammer impact.

P-CAP CTP can sustain using industrial gloves of up to ¼" thickness.

Our One Glass Solution (OGS) can achieve an ultra-thin capacitance touch panel solution of 0.55mm.

## Capacitance Touch Panels Applications

Appliances | Automotive | Industrial | Medical  
Thermostats | Consumer Products | White Goods

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**Capacitive Technology is one of the key strengths in our line of display products. If you are interested to know more about this product, please feel free to contact us anytime.**

### Links

Company Website  
[www.orientdisplay.com](http://www.orientdisplay.com)

Online Store:  
[www.orientlcd.com](http://www.orientlcd.com)

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