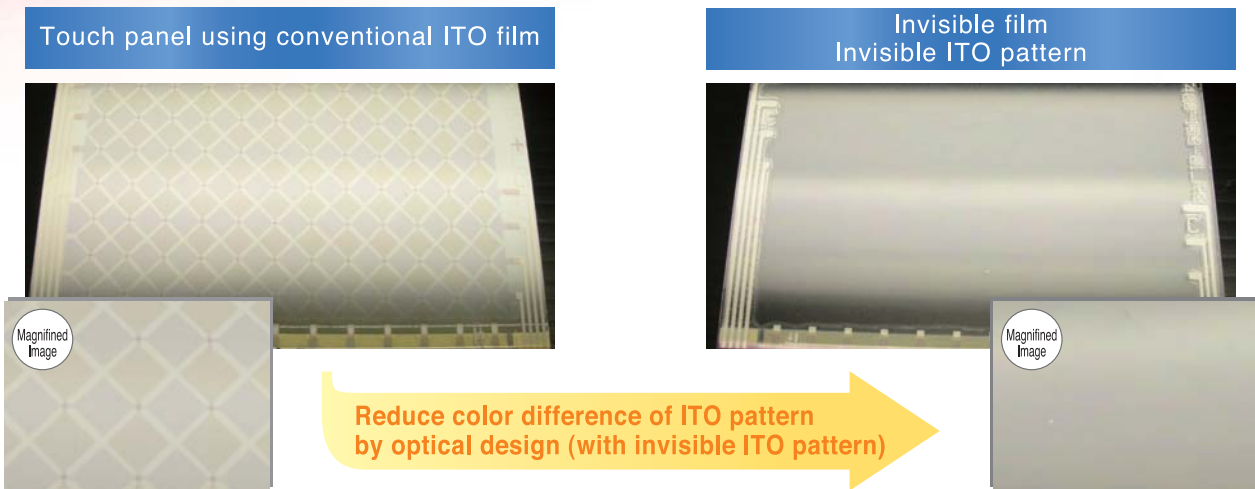


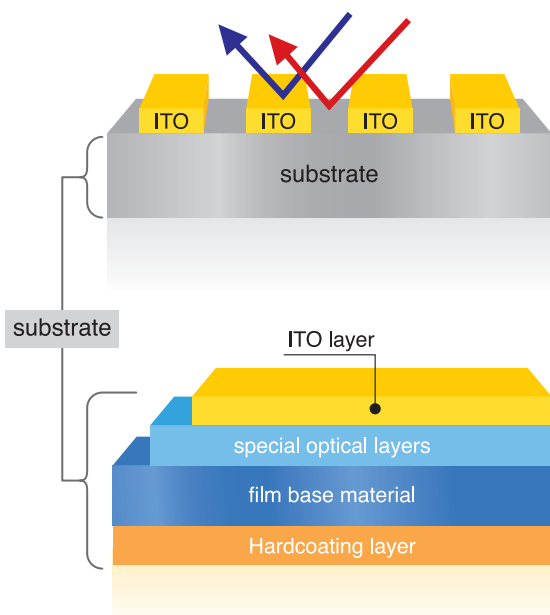
Invisible ITO Film for Projection Capacitive Touch Panel

- We achieved invisible grid lines on ITO Film with Gunze's optical design techniques
- We can provide invisible & low resistance ITO Film by Gunze's sputtering technology

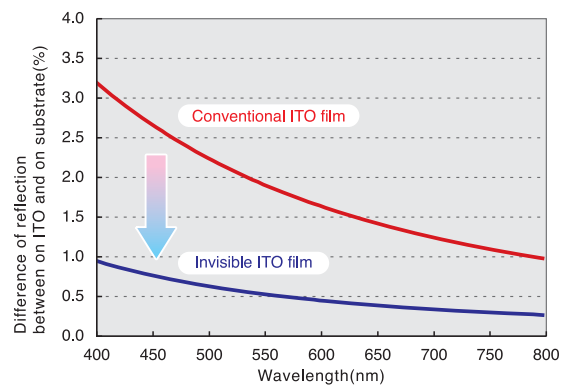


Feature and material configuration of film

Light reflection on ITO \approx Light reflection on substrate



Difference of reflection between on ITO and on substrate



※optical reflection was measured to PSA/ITO/PET and to PSA/PET

Total transmittance	HAZE	Resistance
Typ.87%	Typ.7%	180±50 Ω / □