

Sensor films for large-screen touch panel

大屏幕触摸屏用传感膜

Applications 运用

Digital signage, Smart TVs, Electronic blackboard, Amusement devices, Notebook PCs, Tablet PCs, etc.

数字标牌、智能电视、电子黑板、娱乐设备、笔记本电脑、平板等



By copper mesh sensor, lower resistance of 1/100 to 1/300 compared with ITO. Contribute to improvement of operability such as multi touch.

通过采用铜网传感器,实现了只有ITO的1/100~1/300的低电阻,有助于实现多点触控等,提升操作性。

Features 特性

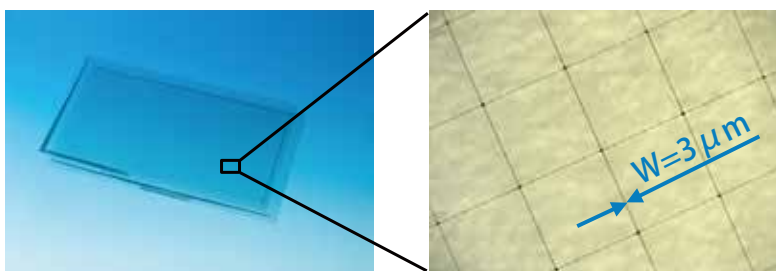
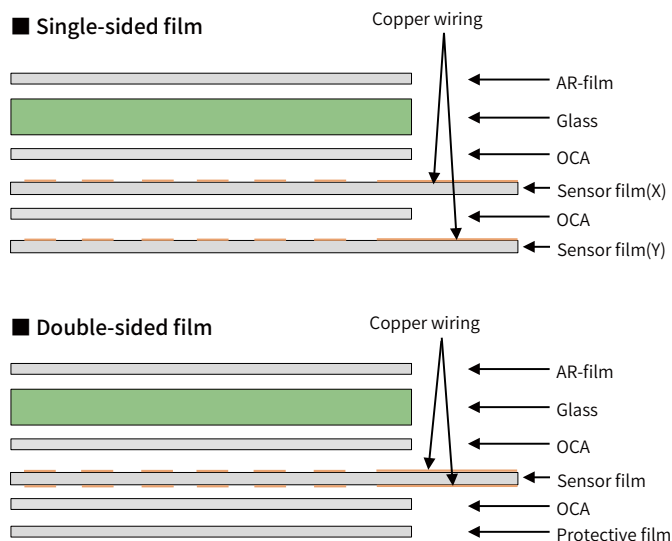
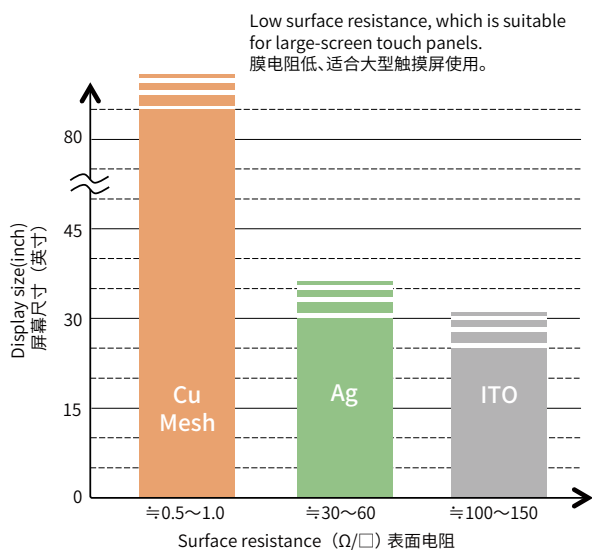
Capacitance-type
静电容式

Highly sensitive
高灵敏度

For large-screen
大屏幕用

Comparison of surface resistance 表面电阻比转

Configuration example 构成举例



Standard products 标准产品阵容

Part number 产品编号	X : CRA2E320CND1X Y : CRA2E320CND1Y	X : CRA2E420CND1X Y : CRA2E420CND1Y	X : CRA2E430CND1X Y : CRA2E430CND1Y	X : CRA2E460CND1X Y : CRA2E460CND1Y	X : CRA2E550CND1X Y : CRA2E550CND1Y	X : CRA2E650CND1X Y : CRA2E650CND1Y	X : CRA2E750CND1X Y : CRA2E750CND1Y
Display size 16:9 (inch) 屏幕尺寸 16:9 (英寸)	32	42	43(42.51)	46	55	65	75
Film construction 膜结构	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)	Single side (GFF) 单面 (GFF)
Number of electrodes 电极数量 (根)	Rx	93	134	128	109	174	198
	Tx	53	76	72	62	98	112
Electrode pitch 电极距 (mm)	7	7	7	9	7	7	7
Mesh line width 电极栅格线宽 (μm)	5	5	5	5	5	5	5
Conductor thickness 导体厚度 (μm)	2	2	2	2	2	2	2
Longest wiring resistance 最长配线电阻 (Ω)	290	650	660	680	750	1000	1200
Mesh part surface resistance 栅格部分表面电阻 (Ω/□)	0.6	0.9	0.9	0.9	0.9	0.9	0.9
Total light transmittance 全光线透过率 (%)	87≤	87≤	87≤	87≤	87≤	87≤	87≤
Haze 雾度 (%)	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
Conductor material 导体材质	Copper 铜	Copper 铜	Copper 铜	Copper 铜	Copper 铜	Copper 铜	Copper 铜
Substrate material 基材种类	PET	PET	PET	PET	PET	PET	PET
Substrate thickness 基材厚度 (μm)	100	100	100	100	100	100	100
Film size 膜尺寸 (mm)	439×734	538.1×941.05	552.6×957	600.5×1039	716.6×1233.97	840.9×1463.45	975.2×1698.0

Available for custom-support products 定制产品应用

Type 类型	Single side (GFF) 单面 (GFF)	Double side (GF2) 双面 (GF2)
Conductor material 导体材质	Copper 铜	Copper 铜
Mesh line width 电极栅格线宽 (μm)	5	4
Conductor thickness 导体厚度 (μm)	2	2
Max display size 16:9 (inch) 最大屏幕尺寸 16:9 (英寸)	~85	~55

Available for custom support with conductive pattern designs of sensor film based on customer requirements.

Ask for our local sales representative for the details.

可以根据客户需求,从膜设计开始应用于定制产品。

具体请咨询本公司的销售人员。

The above data is actual values and not guaranteed values. 上述数据为本公司的实测值,并非保证值。