

SDS TOUCH FOIL:

Touch Foil is used to create the ultimate through-window interactive display, it can be applied directly onto a window or glass sheet to create an interactive window display. A rear projection, or LCD screen is mounted behind the touch foil to create an exciting through-window touch experience.



Benefits:

- Lightweight foil simple to apply to a window, glass, acrylic and rear projection screens.
- Turns non-conductive materials into dual touch surfaces
- Transparent and Flexible dual touch technology
- Not affected by external light condition
- Excellent accuracy and response
- Interactivity works even with gloved hand.
- No requirement to have any external wires or devices as the entire touch screen components are situated safely behind the glass.
- Wide range of screen sizes available up to 80" 4:3 or 16:9 formats.

Key Features:

- Flexible Projected Capacitive Sensor
- Permanent and removable adhesives available
- Excellent accuracy due to high number of sensing intersections
- Two units can be applied to the same glass (e.g., side by side)
- No need of proprietary SDK or software development kit
- Palm rejection capability and edge rejection capability (define touch area)



Product Specification

Applications:

- Interactive Signage and Kiosks
- Command Centres and Boardrooms
- shop windows
- Museums and Architecture Projects
- Brand Experience and Exhibitions

Technical Specifications:

GENERAL

Detection method	Projected Capacitive Technology
Input method	Finger and gloved finger
Number of simultaneous touches	2
Sensor thickness	100 micron transparent polymer
Sizes	30" to 100"
Aspect ratios	4:3 and 16:9
Light transmission	96%
Controller	Printed circuit board with USB connector
Adhesive	Removable or Permanent
Operating system	Windows 7 with multi-touch functionality available
Data connectivity	USB 2.0
Touch accuracy	1 mm relative
Sensor weight	126 g (42" version)
Controller weight	68 g

PERFORMANCE

Touch thickness	Adjustable by software to a max thickness of 20 mm
Touch gestures	Microsoft Windows 7 Touch Gestures – Tap and Double-Tap, Selection/Drag, Press and Tap with second finger, Zoom, Rotate, Press and Hold, Flicks
Frame rate	37 FPS
Response time	22 MS
Calibration	Available using driver software; no drift
Permitted graphic resolution	Unaffected by computer display resolution
Driver support	Windows 7 (32 and 64-bit versions)



Product Specification

POWER CONSUMPTION

Average power consumption (P)	4.7 W
Maximum power consumption (Pmax)	5.5 W
Average electric current consumption (I)	0.9 A
Max. Electric current consumption (Imax)	1.2 A

RELIABILITY

Operating temperature range	-20°C to 70°C
Storage temperature range	-40°C to 135°C
Operating humidity range	0% to 96%
Storage humidity range	0% to 100%, except controller
Life time expectancy	Unlimited
Controller life time expectancy	1 million hours