



DISPLAX

CDS
Crystal Display Systems Ltd



DISPLAX Skin Dualtouch

THROUGH GLASS TOUCH FILM

- Projected capacitive multitouch film allows to have edgeless, flat or curved surfaces
- Comes in a wide diversity of sizes and formats, and features the unique XTR-Shield™ noise shielding technology

Benefits:

Turns non conductive materials into multitouch edgeless surfaces
 Can be used with LCD/LED or Projection*
 Not affected by change in lighting conditions
 Lightweight technology, easily shipped to any location in the World
 Through glass capability allows extreme durability (resistant to liquids and UV, no deformation over time)

Key features:

2 true independent touches
 XTR-Shield™ - Noise shielding technology, unique in large formats
 Sizes from 20'' to 100'', in 4:3, 16:9 and custom formats
 Palm and arm detection
 Advanced Calibration

Typical applications:

Interactive Signage
 Indoor & Outdoor Kiosks
 Tables
 Cleanrooms & harsh environments
 Unusual structures

* Skin Dualtouch is not compatible with plasma displays

DISPLAX™ Skin Multitouch

SPECIFICATIONS

GENERAL

Detection method	Projected Capacitive Technology
Input method	Finger and gloved finger
Number of simultaneous touches	2
Sensor thickness	100 micron transparent polymer
Noise Shielding	DISPLAX XTR-Shield™, a proprietary noise filtering technology
Sizes	20" to 100"
Aspect ratio	4:3, 16:9, custom formats available
Light transmission	96%
Controller	Printed circuit board with USB connector
Adhesive	Permanent or removable
Materials	Glass, Corian. Acrylic is not recommended
Operating system	Windows 10, 8 & Windows 7 with multitouch functionality available; Linux Ubuntu 14.04 or above; Mac OS X Yosemite, Mavericks, Lion; TUIO support embedded on driver
Data connectivity	USB 2.0
Touch accuracy	1 mm relative
Sensor weight	200 g
Controller weight	65 g

PERFORMANCE

Substrate thickness	Adjustable by software to a maximum thickness of 20 mm
Touch gestures	Microsoft Windows 8 and Windows 7 Touch Gestures
Frame rate	50 FPS
Response time	18 ms
Finger separation	51 mm (tested on a 42" sensor laminated on a 5mm thick glass)
Minimum touch tip	7mm (tested on a 42" sensor laminated on a 4mm thick glass)
Calibration	Available using driver software: no drift
Permitted graphic resolution	Unaffected by computer display resolution

POWER CONSUMPTION

Average power consumption (P)	USB powered @ 5V Peak consumption: 410 mA Operation consumption: 370 mA
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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
Touch Sensor lifetime expectancy	Unlimited
Touch Controller lifetime expectancy	1 million hours
Warranty	1 year

DISPLAX™ Skin Dualtouch is designed, manufactured and assembled in EU

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