Multi TouchFoil

Specifications for iFlex Smart-200 Series

GENERAL

Detection method	PCT Mutual Capacitance
Input method	Finger, gloved finger and capacitive pen
Number of simultaneous touches	**20, 40**
Sensor thickness	100 micron transparent polymer
Sizes	32'' to 100''
Sensor number	**64*64 (4096)**
Aspect ratios	4:3 , 16:9 , 16:10
Light transmission	96%
Controller	Printed circuit board with USB connector
Adhesive	Permanent
Operating system	**Windows 7/8 , Linux, Android**
Driver	**Native OS**
Data connectivity	USB 2.0
Touch accuracy	1 mm relative
Sensor weight	110 g (42'' version)
Controller weight	60 g

PERFORMANCE

Touch thickness	**2mm to 10mm**
Touch gestures	Microsoft Windows 7/8 Touch Gestures – Tap and Double-Tap, Selection/Drag,
Frame rate	50 FPS
Response time	12-15 ms
Calibration	Available using driver software; no drift
Partial Area Interaction	**Supported**
Permitted graphic resolution	Unaffected by computer display resolution
Driver support	**Windows 7/8 (32 and 64-bit versions), Linux, Android**

POWER CONSUMPTION

Average power consumption (P)	4W
Maximum power consumption (Pmax)	5 W
Average electric current consumption (I)	0.95 A
Max. electric current consumption	1.3 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
Warranty	1 year