

PCAP OVERLAY



A PROFESSIONAL PCAP TOUCH OVERLAY KIT

STANDARD SIZES

32" - 43" - 55" - 65" - 75" - 86"

BENEFITS

- Metal Mesh based sensor
- High optical transmission
- Pristine image display
- Ideal for high volume touch integrations
- Easy to assemble with few screws

KEY FEATURES:

- Robust Noise Filtering
- Auto-tuning Software
- LG WebOS Compatible

TYPICAL INSTALATIONS:

- Classrooms & Meeting Rooms
- Self-Service Kiosks
- Experiences

SPECIFICATIONS

10

Finger Touches

5

Up to 5mm
Glass Thickness

8ms

Fast Response



Palm Rejection



Anti-Glare
Glass

webOS

Web OS
Compatible



TECHNICAL SPECIFICATIONS

DISPLAX LG PCAP OVERLAY

GENERAL

| | |
|--------------------------------|--|
| Detection Method | Projected Capacitive Technology Multitouch |
| Input Method | Finger and Gloved Finger |
| Number of Simultaneous Touches | 10 |
| Glass Thickness | Up to 5mm |
| Noise Shielding | DISPLAX XTR-Shield™ Plus, a proprietary noise filtering technology |
| Sizes | 32", 43", 55", 65", 75" and 86" |
| Aspect Ratio | 16:9 |
| Controller | Printed circuit board with mini USB connector |
| Film Sensor Thickness | 500 Micron transparent polymer film |
| Glass Standard | Anti-Glare |
| Interface | HID |
| LG WebOS Compatibility | 10 Finger Touches |
| OS with Multitouch | Windows 10, 8, 7, Ubuntu 12.04, Linux, Android, Chrome OS, Web OS |
| OS with Single Touch | Mac OS X Yosemite (multitouch support through TUIO bridge) |
| Data Connectivity | USB 2.0 |
| Touch Accuracy | 0.1% of sensor diagonal |
| Bezel Color | Black |
| Calibration | Available using control panel: no drift |

POWER CONSUMPTION

| | |
|-------------------------------|---|
| | USB powered @ 5 V |
| Average Power Consumption (P) | Peak consumption: 320 mA Operation consumption: 300 mA |

RELIABILITY

| | |
|---------------------------------------|------------------------------------|
| Operating Temperature Range | 0°C to 60 °C |
| Storage Temperature Range | -20°C to 70°C |
| Operating Humidity Range | 20% to 70%, non-condensing |
| Storage Humidity Range | 0% to 80%, at 60°C, non-condensing |
| Touch Sensor Life Time Expectancy | Unlimited |
| Touch Controller Life Time Expectancy | 1 million hours |
| Warranty | 3 years |

COMPATIBILITY

| Sizes | Supported LCD Series | LCD Dimensions (WxHxD) |
|-------|-----------------------------------|---------------------------|
| 32" | SE3K3; SM5KE; 32SM5J | 729,4 × 428,9 × 55,5 mm |
| 43" | UM3DF; UH5F; UH5F-H | 962,5 × 568 × 39,9 mm |
| 55" | UM3DF; UH5F; UH5F-H; UH7F; UH7F-H | 1234,4 × 720,9 × 39,9 mm |
| 65" | UM3DF; UH5F; UH5F-H; UH7F; UH7F-H | 1453,3 × 844 × 39,9 mm |
| 75" | UH5F-H | 1682,4 × 960,3 × 57,9 mm |
| 86" | UH5F-H | 1926,2 × 1246,8 × 60,6 mm |

DESIGNED FOR TRUE TOUCH EXPERIENCES

CLASSROOMS, MEETING ROOMS, RETAIL, SELF-ORDERING KIOSKS

“ Turn your LG UHD displays into truly touch-responsive experiences, delivering reliable and superior commercial-grade products.

