

Touchscreen overlay

for LCD and plasma up to 108"



Multi-touch
2 touches



Multi-user
4 touches



Easy to install



Fast to install



Driver less



Cost effective



Ruggedized solution



Multi-touch



Multi-user



Gestures



Plug & touch

Crystal Touch™ is a high resolution, high brightness, fast response, cost-effective, optical touch screen system that turns any LCD or Plasma Display into an interactive surface.

Based on Lumio's technology, we developed a product range of Touch Overlay for LCD and Plasma from 26" to 108" and larger.

Our custom design offers a very appealing look for every monitor with an extremely thin bezel. The active area of the touchscreen fits exactly the display area.

We offer several options like custom color, logo, antiglare, antireflective, tempered or laminated glass .

The overlay solution does not compromise the warranty offered by the monitor's manufacturer. It ruggedises the solution for a public area integration

www.touchtop.de
GPEG GmbH
Tel. +49 (0) 89 90 89 95 20
info @gpeg.de

LUMIO 
Virtual Interface Technology
www.lumio.com

Overlay Key Features

- Easy to install and remove
- Safe installation with brackets
- Metal or aluminium frame
- Custom design for each monitor
- Narrow bezel
- USB and serial available
- Custom color and logo available
- Antiglare, antireflective glass available
- Tempered or laminated glass

Touchscreen Key Features

- High resolution
- High accuracy
- Fast reporting rate
- Very low latency
- Dual Control
- Full Glass transparency, no absorbing layer, no haze
- High clarity and color fidelity
- Activated by any object; finger, glove, pen/stylus ...
- One time "3 Point" calibration required
- No aging or temperature drift
- Long lifetime with high reliability
- Scratches do not effect performance
- Light touch with no pressure
- USB-HID or Serial communication

Typical Applications

- Digital Signage
- Gaming Machines
- Medical
- Command & Control
- Consumer Electronics
- ATM/POS
- Info Stations/ Kiosks/ Retail
- Industrial
- Ticketing/ Terminals

Installation



Put the frame on the monitor



Fix the brackets



Monitors



Operating system



Lumio touchscreens are certified for Microsoft's Windows 7, The new Microsoft Operating system supports multi-touch and gestures. A new range of interactivity solution was born with multi-user or gestures functionalities.



First Multi-touch solution for optical touchscreen based on Linux operating system.

www.touchtop.de
www.gpeg.de

LUMIO 
Virtual Interface Technology
www.lumio.com



Frame Specifications	
Design	Custom design for each monitor with narrow borders
Surface Finish	Metallic coloring and powder coating
Construction	Welded steel or aluminium frame
Color	Standard black Multiple color options available
Glass	4mm tempered and thicker Multiple thickness options available Tempered and laminated option available
Glass Surface	Clear glass, >92% light transmissivity Antiglare, antireflective, painted option available
Aspect Ratio	16:9, 4/3, ...
Mounting	



Touchscreen Specifications	
Touch Technology	Lumio optical touchscreen
Touch Method	Finger, glove, stylus or any other pointer
Touch Activation	No pressure required
Touch Accuracy	0.3mm to 2mm, 0.5mm typical*
Touch Durability	Unlimited
Resolution	12 Million points over the touch area (with 2 cameras) 24 Million points over the touch area (with 4 cameras)
Frame Rate	100fps
Reporting rate	5-10 ms
Environment Temperature	Operating: 0°C to 55°C Storage: -25°C to 125°C
Environment Humidity	Operating: 10% to 90% RH, non-condensing Storage: 10% to 90% RH, non-condensing
Power Supply	USB powered 90mA* Serial : external power supply +5V
ESD	Contact discharge 8kV, air discharge 15kV
Saleability	Can be sealed to NEMA 4 and IP65 Standards
Driver Less	Yes
Multitouches/Multiusers	Yes

www.touchtop.de
Tel. +49 (0) 89 90 89 95 20
www.gpeg.de