

PCAP Touch Overlay

You want to retrofit a display, a video wall, a TV or presentation boards with „touch“? Our touch overlays can be tailored to fit different imaging types and application scenarios. Their flexible size proves to be a great advantage for special formats.

The PCAP touch overlays are available in two versions that differ only in design. The **Overlay with PCAP sensors** has a frame with internal glass panel. Unlike the IR overlay, it has only a minimal offset between the overlay frame and the glass surface (due to the thickness of the frame).

The **second type has a closed glass front with underlying overlay frame**. The glass is provided with a frame print or passepartout.

In both versions, a PCAP touch foil is laminated to the inside of the glass. Touches are recognized through the glass. The glass and the frame both provide protection for the display and the sensors.

The overlay can be mounted on a display with its pre-assembled brackets. The overlay is connected to the PC via USB cable, which then transmits the image to the display, where it is finally displayed.

An operation of the computer by touch on the display is possible immediately and without the installation of software. Finger and pen movements are processed extremely fast and thus guarantee a smooth working.

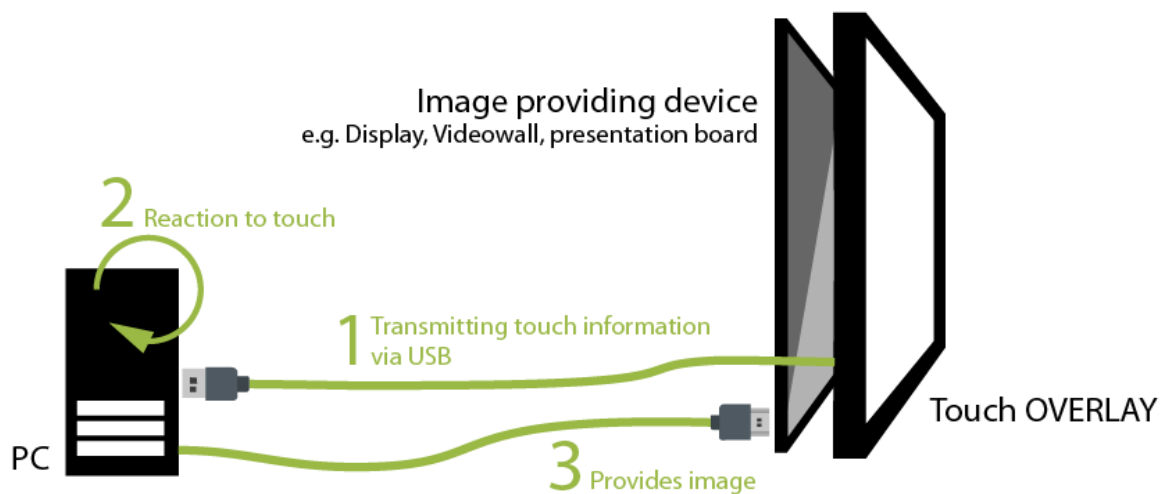


Fig. 1 Data transfer between touch overlay and display

Characteristics

- 2 types: **Overlay with PCAP sensors** or **PCAP Overlay with closed glass front**
- With closed glass front: IP65 from the front & black passe-partout (further colors optional)
- Touch detection via PCAP touch foil
- Scratches on the glass surface do not affect the touch sensitivity
- Overlays react when in contact with glass
- Exact touch recognition only with bare hand or touchable glove
- With protective glass made of toughened safety glass
- Optionally with laminated safety glass (LSG)
- Optional anti-reflective foil or anti-vandalism foil
- 4-point calibration, without drift
- More complex installation even on installed displays
- Alternative choice of a new, freely available display
- More expensive than infrared

Range of use

Retrofitting touch for displays

Digital signage

Interactive advertising space

Presentation areas in training and conference rooms

Visitor information systems (e.g. for bus and train, shopping malls, airports or museums)

Production halls

Check-in service

Fairs and exhibitions

Specifications

Multi-touch	10 simultaneous touch points
Dimensions	Frame width: 25-35 mm (depending on the model), sizes: 24" to 65"
Technology	Projected Capacitive (PCAP)
Activation / touch input	no pressure necessary
Response times	5 ms
Operating systems	all with HID-Touch support
Interface	USB 2.0
Current consumption	USB, 450 mA
Surroundings	Operating: -20~70 °C, Storage: -40~85 °C, Humidity: 10~90 % RH (not condensing)
Certifications	CE, ROHS