



# Infrared (IR) 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.

Our touch overlays work with modern multi-touch infrared technology and operate without driver installation. The overlay frame can be attached with its pre-

mounted brackets by a non-specialist on a display, a video wall or presentation surface. The overlay is connected via USB cable to the PC, which delivers the image to the image providing device, where it is finally displayed.

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

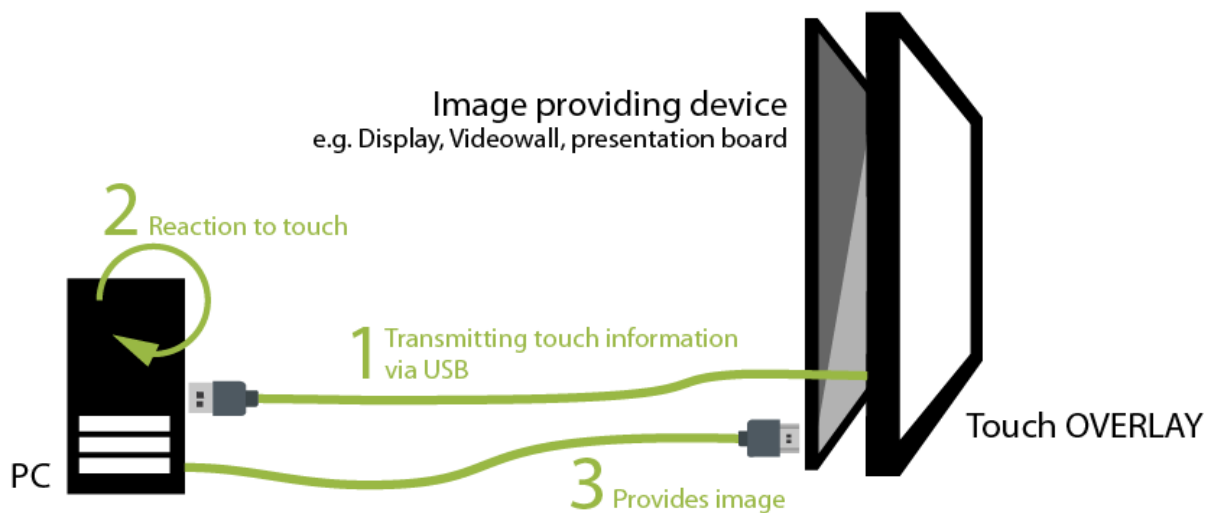


Fig. 1 Data transfer between touch overlay and imaging source

## Characteristics

- Available as an **Overlay with infrared sensors**
- Touch detection by infrared sensors
- Scratches on the glass surface do not affect the touch sensitivity
- Overlays react completely without pressure
- Exact touch detection, even with a glove or light touch
- Thermally tempered white glass 4 to 6 mm (ESG) depending on display size
- Optionally with laminated safety glass (LSG)
- Optional anti-reflective foil or anti-vandalism foil
- 4-point calibration, without drift
- Easy installation, even on already installed displays
- Alternative choice of a new, freely available display
- Cheaper than PCAP

## Range of use

Retrofitting Touch for displays, video walls and presentation surfaces

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	Available with 2, 6 or 32 touch points
Dimensions	Frame width: 25-35 mm (depending on the model), sizes: 24" to 110"
Technology	HSIR (Hybrid Scattered Infrared)
Activation	Optical, no pressure necessary
Response times	3–10 ms
Tolerance	+/- 5 mm
Operating systems	Windows 10/8/7/Vista/XP, Mac OS
Speed	Up to 450 fps
Light transmission	100% without glass
Protocols	HID, TUIO, Flash
Interface	USB 2.0
Current consumption	USB, Operation ≤ 2 W, Stand-By ≤ 250 mW
ESD	Per EN61000-4-21995; Level 4. Contact discharge 8 kV, air discharge 15 kV on USB connector pins
Surroundings	Operating: -20~70 °C, Storage: -40~85 °C, Humidity: 10~90 % RH (not condensing)
Certifications	FCC, CE, ROHS