



Multi-touch Videowalls

You prefer it a little bigger? Multi-touch videowalls are the right choice. In this special field, we have various implementation options for you. We work with infrared (IR) sensors. It does not matter if the video wall consists of displays, a projection or even LEDs.

Touch kit without glass and frame

Our standard solution consists of the touch kit without glass and frame construction. The kit consists of several individual sensor bars, which can be joined together and fixed on any surface (for example on a glass pane).

Touch kit with protective glass and glass holders

Optionally we offer a touch kit with protective glass and glass holders onto which the kit is stuck. Both variants are sold by us without an imaging source.

4-/2-sided Touch kit

Videowalls can be provided with sensor bars either completely (4-sided) or reduced on two sides (2-sided). To implement a nearly frameless installation, the two-sided kits can also be embedded in floor and ceiling (fig. 2) or in opposite walls (fig. 3). However, these slots must remain open so that the touch kits are still able to transmit.

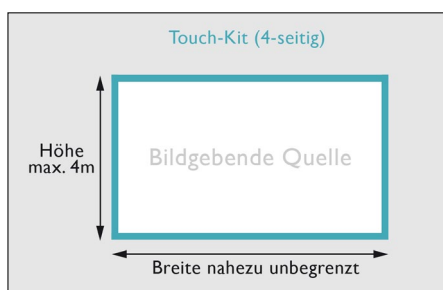


Fig. 1: Touch kit, 4-sided

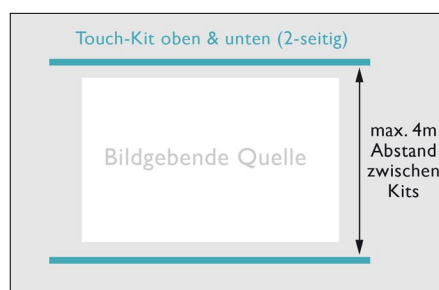


Fig. 2: Touch kit above & below, 2-sided



Fig. 3: Touch kit right & left, 2-sided

Complete installation

Even a complete installation including videowall displays or projection is possible.

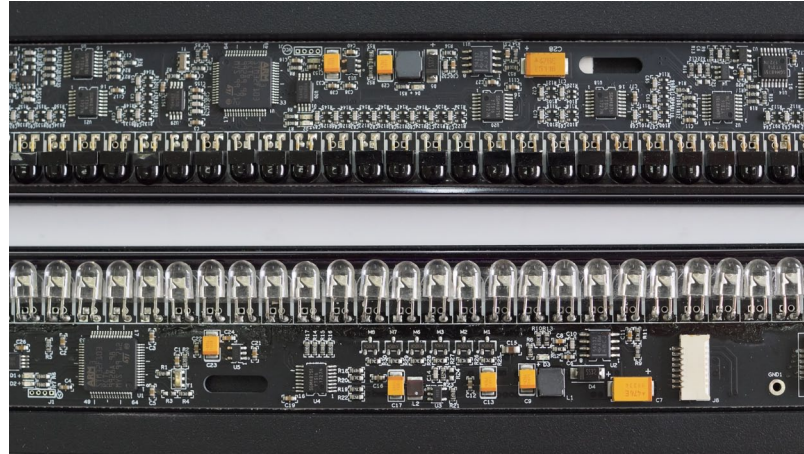


Fig. 4: Infrared touch frame exterior and interior view

Characteristics

- High insensitivity to 150.000 lux
- Up to 120" HID-capable, larger kits require a driver that also supports TUIO
- For videowalls up to a height of 4 m and almost unlimited width
- Easy installation

Specifications

Multi-touch	Available with 2, 6, 10, 32 or 40 touch points
Sensor dimensions	Depth 11.7 mm, width 37.5 mm
Technology	HSIR (Hybrid Scattered Infrared)
Activation	Optical, no pressure necessary
Response times	3–10 ms
Tolerance	+/- 1 % of the height
Operating systems	Windows 10/8/7/Vista/XP, Mac OS
Speed	Up to 200 fps
Light transmission	100% without glass
Protocols	HID, TUIO, Flash
Interface	USB 2.0
Power consumption	5 V max, 0.5~3 A
ESD	Per EN61000-4-21995; Level 4. Contact discharge 8 kV, air discharge 15 kV on USB connector pins
Surroundings	Operation: -20~70 °C, Storage: -40~85 °C, Humidity: 10~90 % RH (not condensing)
Certifications	FCC, CE, ROHS