

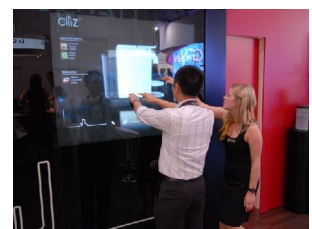
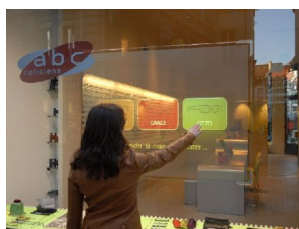


beMerlin (sv/LV)

The Atracsys beMerlin system is a multi-touch-less vertical interface. Point with one or more fingers on the screen without touching it and the content reacts to your fingers.

Buttons are clicked, 3D objects are manipulated, slides are flipped-through, multiple fingers allow zooming effects and much more.

The beMerlin system can be combined with any kind of screen. LCD, plasma screens or event video walls are turned into multi-touch-less displays. Especially 3D objects and product presentations become incredibly impressive when the beMerlin system is combined with an holographic screen which gives the illusion that manipulated objects simply float in space.



Benefits

- **Flexible** - Independent of the screen, the beMerlin can be used on any surface or any screen including LCD, plasma, rear/front projection, holographic screen or even video walls.
- **Standard interface** - The beMerlin supports all standard interfaces for multi-touch application software development, including Microsoft Windows 7 driver and TUIO. Pointing hands are assimilated touch events for easy Software integration.
- **Illumination environment** - The beMerlin systems have active non visible infrared light sources to be able to be operated in many illumination conditions (complete darkness to standard interior light for the beMerlin SV, the beMerlin LV is operable even outdoor).
- **Swiss-made quality guarantee** - The beMerlin systems are entirely engineered and manufactured by Atracsys in Switzerland. Designed for demanding environments, the beMerlin is durable and reliable. It has already been tested in busy environments such as fairs and trade shows.
- **Simplicity** - The beMerlin can be installed on any kind of set-up. It is quick and easy to install.
- **Brand differentiation** - Deliver cutting edge customer experiences and add value to your event/shop. Enhance your brand image with innovation.
- **Unlimited fields of application** - Use it for many different occasions: retail stores, trade shows, hotels, showrooms, meeting rooms, company entrances, trainings or any kind of event.
- **Encourage customer loyalty** - Surprise and entertain customers. Give them an extraordinary experience of your brand. They will remember your brand and develop a true relationship with you and come back.
- **Improve communication** - Target your communication, link it with your web campaign and be more efficient in the way you deliver information. Generate word of mouth about your event/shop. Very few people have seen this technology before.
- **Educational tool** - Make complex concepts clearer and easier to understand with 3D manipulation.
- **Multi-Touch-Less** - Localize user's pointing regions to create "Minority-Report" like interfaces.

Technical specifications

Display

Any kind of displays and resolutions are possible: LCD, plasma, projection, smoke- and water-screens, holographic screens, 3D displays, video walls, ...

Power

Power supply 24V 30W included. The beMerlin LV can also be powered using PC internal 12V Molex connector.

Holographic screen

If the beMerlin system is combined with our 67" 4:3 Holographic screen

- Resolution: 1024x768, 4:3
- Video projector type: 1024x768 DLP® projector, 4000 ANSI Lumen

For the use on a video wall please consult the corresponding data-sheet.

Computer Requirements

- Dual-core processor, ~2GHz
- Memory: min 2 GB
- Storage: min 40 GB hard-disk drive space
- Operating system: Microsoft Windows XP SP3, Windows Vista, Windows 7

SV and LV comparison

Model	beMerlin SV (Stereo Vision)	beMerlin LV (Laser Version)
Measurement principle	Stereo camera, background contrast, invisible infrared LED illumination	Laser-plane, time-of-flight, invisible infrared Laser illumination
Coordinates	3D (x,y,z)	3D (x, y, z = constant)
I/O	12V powered IEEE1394a (Firewire 400 6pin)	Ethernet 100, RJ45 connection
Detection range	0.2 to 2.5m	0.5 to 20m (depending on object size)
Measurement rate	30Hz	25Hz (0.25° resolution), 50Hz (0.5° resolution)