



**project: syntropy (Germany / KSA / Sweden / Singapore)**  
 creates AV technologies and solutions for professional simulation- and training environments, XR-CAVEs, XR-Spaces, interactive immersive media based attractions, xD dome theatres and planetariums.



SYNtouch RADAR supporting interactive game by FikirbazZenger, Turkey

## SYNtouch RADAR

SYNtouch RADAR turns ANY non-interactive projection system into an interactive attraction just by adding one or more industry-grade LASER sensors and running our SYNtouch RADAR calibration software. It does not matter if you have a rear or front projection, a flat screen, LCD- or LED-wall, a media facade (using LASER range finder sensors) or even a hemispheric or dome projection (using IR camera tracking sensors): SYNtouch RADAR software calibrates the projection surface so that you can immediately explore (multitouch-) interactivity on the big screen. It is not even necessary to have the complete projection/display system up and running to use SYNtouch RADAR calibration.



SYNtouch RADAR supporting VENTUZ Professional Presenter Application

### Unlimited screen size and unlimited touch points with SYNtouch RADAR

The size / resolution of your interactive projection does not matter: simply add additional sensors if you need them.

Running SYNtouch RADAR allows you to easily calibrate as many sensors as you need and to merge them into one big desktop ready for multi-user interaction.

The system is touchless and supports single-, dual- or even multitouch interaction, thus allowing the use of natural gestures in your application. The range finder LASER sensors are not irritated by sunlight or infrared light and can be used in outdoor situations.

### Make ANY application interactive on your touchless screen - indoors or outdoors!

SYNtouch RADAR gives you full flexibility to run ANY application which is controlled by mouse or multitouch input: from standard office presentation softwares like Powerpoint or Keynote, Web-apps as well as dedicated multitouch multi-user applications based on TUIO.

SYNtouch RADAR software can be used to integrate LASER sensors in multi-display applications authored with VENTUZ or Daton WATCHOUT.

SYNtouch RADAR software runs on Windows 10 to 11 but can run on a separate PC and support Apple OS-X if using



SYNtouch RADAR as tracker for interactive floor projection in Dubai/UAE

Most flexible radar touch solution in the market!

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TUIO-protocol, thus it enables any possible interactive end application.

## SYNtouch RADAR offers total hardware and software flexibility!

We designed SYNtouch RADAR to be the most flexible calibration tool for LASER- and IR-sensors on the market.

SYNtouch RADAR therefore offers limitless possibilities for planners and designers of interactive installations: By supporting a wide range of LASER- and camera-based tracking sensors we provide the total freedom of interaction in 2 (or even 3) axis as well as software support for the most powerful production suites for multi-display installations.

We are able to customize software interfaces and protocols according to different needs. Several production software and interaction protocols are already implemented, others can be integrated upon request.



SYNtouch RADAR supporting Waves Presenter Multitouch Application



SYNtouch RADAR supporting VENTUZ Professional Presenter Application

Authorized Dealer:

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### Supported Hard- and Software

- Select from a great variety of industry-grade LASER sensors for in- and outdoor scenarios
- Indefinite number of sensors can be added for seamless big interactive surfaces
- Multiple SYNtouch RADAR licenses can either be used to support one big surface or for many unique installations
- Multi-User interaction (TUIO)
- Multi-Touch gestures (TUIO, Windows®)
- Windows® mouse 3-point support (left/right/middle/scroll)
- **VENTUZ** application support
- **RTTrPM** (Real-Time Tracking Protocol - Motion)
- Apple OS-X support using TUIO

### Markets and Applications

- Digital Signage
- Shops, Storefronts, Shop Windows, PoI
- Showrooms (Configurators, Sales Tools)
- Trade Shows
- Visitor Centers
- Hotels (Tourist Information Systems, City Maps)
- Bars and Restaurants (Entertainment, Games)
- Concerts, Events, Theatre
- Museums and Exhibitions
- Science Centers (Interactive Exhibits)
- Control Rooms
- Conference Rooms / Videoconferencing
- TV-Studios (News, Sports, Science Shows)

### Pricing\*

- SYNtouch RADAR software license 1,998.00 EUR
  - SYNtouch RADAR training day\*\* 1,498.00 EUR
- \*\* Sensors and Software available on-site Magdeburg

### List of recommended LASER range finder sensors

- Hokuyo UST-10LX/10LX-H01 (Ethernet) price upon req.
- Hokuyo UTM-30LX (USB) price upon req.
- Hokuyo UBG-04LX-F01 (USB) price upon req.
- Hokuyo URG-04LX (USB) price upon req.
- LEUZE Sensors upon request price upon req.

\* EXW Magdeburg (Incoterms 2020), December 2025, technical errors and modifications reserved.

*Most flexible radar touch solution in the market!*

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