REAL-TIME POSITIONING

Real-time positioning systems are emerging as a source of nearly unlimited opportunities for ever new fields of application. Seamless positioning of objects and people with high spatial resolution ensures maximum transparency and with it, great market potential for the most diverse industry sectors:

- Production
- Logistics
- Safety
- Health
- Sports
- Traffic and Automotive
- Information and Entertainment

Let us put our experience to work for you. Our clients benefit from a seamless technological expertise backed by a profound economic understanding. We will provide you with the best solution to meet your company's needs.

WWW.BLACKFIR.DE

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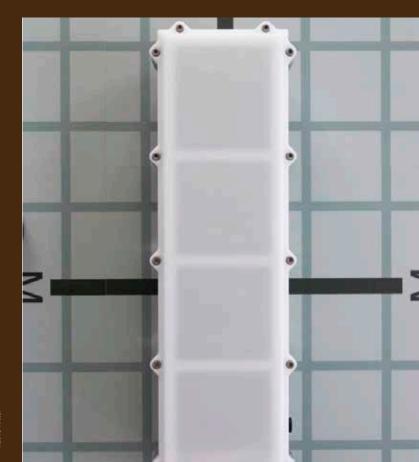
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Fraunhofer

FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

BLACKFIR 2.4

DEVELOPMENT KIT FOR REAL-TIME POSITIONING



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OVERVIEW

The Fraunhofer IIS BlackFIR technology establishes transparent processes by providing continuous live information on the whereabouts of people and objects in defined areas.

Whenever extensive system implementations are connected with investment costs, the BlackFIR 2.4 development kit provides quick and cost-efficient insight into the world of real-time positioning.

The instant plug & play BlackFIR 2.4 development kit is easy to use and comes with all hardware and software components as well as a demo application. After a simple and straightforward installation the system can be run immediately. The modular design of the BlackFIR 2.4 development kit ensures future-proof expandability. Additional BlackFIR system components are available. This way, the positioning technology can be successfully employed throughout your entire corporate operations.



SYSTEM COMPONENTS

The development kit includes a receiver unit – the BlackFIR 2.4 receiver.

Key features:

- Indoor and outdoor use
- Integration of angle-of-arrival and time-of-flight measurement
- Minimum installation effort due to innovative single point locator design

BlackFIR 2.4 development kit includes four active transmitters. They are mounted on the object that is to be located and transmit the position-indicating radio signals to the BlackFIR 2.4 receiver. The very compact transmitter dimensions (w x h x d: 60 x 38 x 10 mm) allow easy attachment to virtually any object.

DEMO APPLICATION

The heat map demo generates a visual map of the predominant locations of a tag. It displays and highlights the area where the tracked object fixates within the target area. The visualization results from the juxtaposition of high-contrast warm and cold colors, allowing to visually understand movement activity and to improve existing processes.

OFFER

The BlackFIR 2.4 development kit is available at PPS:



www.pps-projects.de