![Fraunhofer IIS logo]

Fraunhofer Institute for
Integrated Circuits IIS

**Fraunhofer Institute
for Integrated Circuits IIS**

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Hybrid radio

www.iis.fraunhofer.de/hybrid-radio

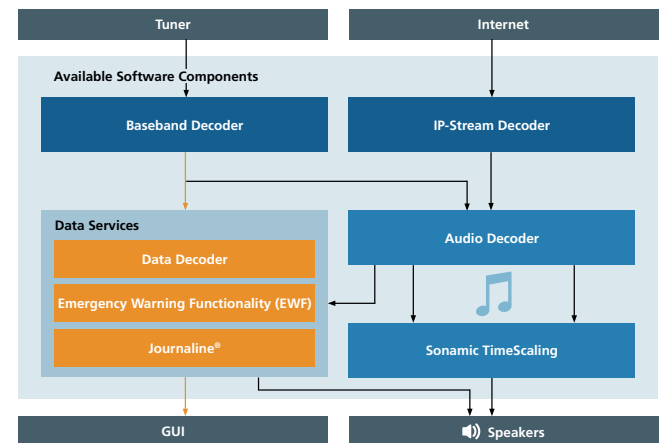# Hybrid radio

Three become one

Hybrid radios merge analog AM/FM, digital DAB+/ DRM and Internet radio, which lets passengers enjoy uninterrupted listening as they travel.

Hybrid radio solution for every radio platform

The Fraunhofer IIS hybrid radio solution allows all three reception paths to be used flexibly. The full-stack solution incorporates performance-optimized basebands, audio playback as well as a web-based user interface. It enables parallel processing of multiple inputs in real time, as well as access to the corresponding components via low- and high-level interfaces (C++ and REST-API). In addition, it includes a client for IP-based streaming.

Fraunhofer software components for hybrid radio

Our software defined radio architecture enables a modular and flexible infotainment system that supports the most relevant broadcasting standards and can be extended anytime. This provides radio platforms with the versatility to operate in various markets or vehicle categories.

Tuner	Internet
Available Software Components	
Baseband Decoder	IP-Stream Decoder
Data Services	Audio Decoder
Data Decoder	
Emergency Warning Functionality (EWF)	
Journaline®	Sonamic TimeScaling
GUI	🔊 Speakers

Learn more about our hybrid radio solution and individual software components:
www.iis.fraunhofer.de/hybrid-radio