



Fraunhofer

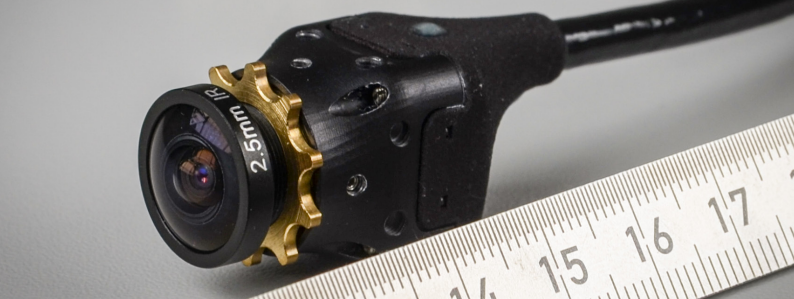
IIS

FRAUNHOFER INSTITUTE FOR
INTEGRATED CIRCUITS IIS

MODULAR FLIGHT TEST CAMERA SYSTEM

WWW.IIS.FRAUNHOFER.DE/CAMERATECHNOLOGY





Cameras have been widely in use for in-flight testing and other industrial applications to make observations and record them for later analysis for several years now. Fraunhofer Institute for Integrated Circuits IIS and SEKAI Europe are working jointly on the development of a modular camera systems that consists of a front-end part with the lens and image sensor and a backend for image processing, control, video encoding and recording as well as streaming over a network interface. The modular approach makes it possible to provide different front-end modules that can be chosen depending on operational needs.

Both modules are connected by a cost-effective and light-weight cable that provides power and control to the camera head and transmits the raw video image data signal from the camera head to the backend. The backend can be freely configured regarding image processing and video encoding parameters. New functions can be added in the future by software upgrades.

Please contact us!

**Fraunhofer Institute for
Integrated Circuits IIS**

Director
Prof. Dr.-Ing. Albert Heuberger

Am Wolfsmantel 33
91058 Erlangen

Electronic Imaging Department

Contact:
Arne Nowak
Phone +49 9131 776-5150
Fax +49 9131 776-5108
arne.nowak@iis.fraunhofer.de

www.iis.fraunhofer.de