What we do

Standard Products ~ BT Sensors

We provide unique CMOS image sensors for specific applications.

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**BT130A**
High Speed CIS

**BT3300N**
8K Super Hi-Vision CIS

**BT130C**
Ultra High Sensitivity CIS

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Custom CIS Design & Development

We provide CUSTOM CMOS image sensor design services based on our client’s specifications. Our engineering team can supply innovative and stable solutions with expertise as a design partner. Our customers have included the best-known names in IDMs (Integrated Device Manufacturers), automotive and medical device makers, as well as public institutions.

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Intellectual Property (Inc. Patent Royalty)

We also provides custom IP design : e.g. Built-in A/D Convertor, Analog Amplifier and Key blocks in CMOS /non-CMOS Image Sensor, including Pixel.

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Consulting

Feasibility Study and Design Support for CMOS Image Sensor.

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Contact

Masaaki Sasaki (Sales Manager)
Phone: +81-534827741
E-mail: bt_request@brookmantech.com
Figured below are achievements of the “Knowledge CLUSTER I” project, which inspired to establish Brookman Technology Inc.

**ISSCC2016 : 3D-Stacked High-speed 8K Super Hi-Vision Image Sensor**

『 A 1.1μm 33Mpixel 240fps 3D-Stacked CMOS Image Sensor with 3-Stage Cyclic-Based Analog-to-Digital Converters 』

Toshiki Arai, Toshio Yasue, Kazuya Kitamura, Hiroshi Shimamoto, Tomohiko Kosugi, Sungwook Jun, Satoshi Aoyama, Ming-Chieh Hsu, Yuichiro Yamashita, Hirofumi Sumi, Shoji Kawahito
NHK Science & Technology Research Laboratories, Shizuoka University, TSMC, and Brookman Technology, Inc.

**ISSCC2014 : Time-of-Flight (TOF) CMOS Range Image Sensor**

『 A 413 x 240-Pixel Sub-Centimeter Resolution Time-of-Flight CMOS Image Sensor with In-Pixel Background Canceling Using Lateral-Electric-Field Charge Modulators 』

Sang-Man Han, Tomoyuki Akahori, Shoji Kawahito et.al.
Shizuoka University, and Brookman Technology, Inc.

**ISSCC2012 : 8K Super High-Vision Image Sensor**

『 A 33Mpixel 120fps CMOS Image Sensor Using 12b Column-Parallel Pipelined Cyclic ADCs 』

Toshihisa Watabe, Tomohiko Kosugi, Satoshi Aoyama, Shoji Kawahito et.al.
NHK Science & Technology Research Laboratories, Shizuoka University, and Brookman Technology, Inc.

**ISSCC2011 : High Sensitivity Wide Dynamic Range CMOS Image Sensor**

『 An 80μVrms-Temporal-Noise 82dB-Dynamic-Range CMOS Image Sensor with a 13-to-19b Variable-Resolution Column-Parallel Folding-Integration/Cyclic ADC 』

Min-Woong Seo, Tomoyuki Akahori, Keigo Isobe, Takashi Watanabe, Shoji Kawahito et.al.
Brookman Technology, Inc., and Shizuoka University