



DESCRIPTION

The **MIPSEE™** evaluation module is a low cost, feature rich development platform designed to speed the evaluation process of image processing algorithms. Both experienced and novice designers can start immediately innovative product designs by utilizing the provided LINUX patched kernel, and a set of standardized mathematical IPs.

MIPSEE™ offers industry's best combination of image computing devices, helping conserve energy and increase battery life time with less than 2Watts at maximum speed. With 750MIPS high performance ARM11, up to 128MBytes of NANDFlash and 128M Bytes low power DDRSDRAM memory, dedicated signal processing accelerators, it provides a foundation for a wide range of image processing applications including home care, road safety, industrial and security applications.

Features

- ARM11 @ 532 MHz
 - * Multi-level Cache System
 - * Floating Point Unit Coprocessor
 - * Autonomous Image Processing Unit
 - * Direct Specialized Camera Interface
- 128MBytes NANDFlash
- 128MBytes Low Power DDR-SDRAM
- USB 2.0 Connection, Power Supply included
- Multiple Communication and Expansion Ports
- Advanced Power Management

Outstanding Performances

- Provides in excess of 750MIPS @ 532MHz
- Less than 2 Watts at maximum speed
- Temperature range: -40°C +85°C

Reduced form factor

- 40 x 40 x 35 mm in standard version

EXTENSION

The module is composed of a basic main board (MB) to which can be connected extension boards. The standard version comes with two separate boards, the UC and one additional OMNIVISION (VGA) CMOS sensor. Depending on your requirements, this sensor can be replaced by any other sensor technology. The bottom connectors of the MB provide connections to the signals of the ARM11 so you can dedicate additional boards to your application. USB 2.0 connection is available to communicate with the module.

DELIVERY

- BSP linux
 - * Boot loader (U Boot)
 - * Linux 2.6.35
 - * Busy Box
 - * Open CV library 2.0
- User's manual
- Application notes
- OV10121 CMOS sensor VGA B/W



Application domains

