



Nemotek
Customizing Wafer Level Cameras

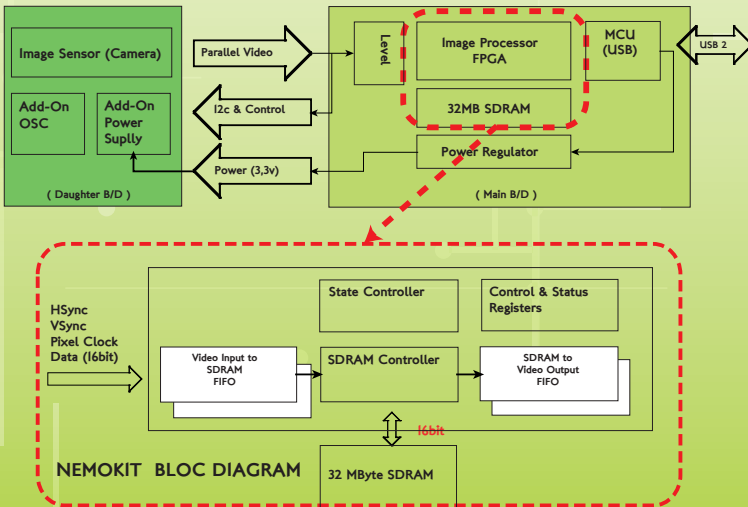
NEMOKIT

NEMOKIT system supports the full line of Nemotek's wafer level cameras.

The current demonstration system uses the USB 2 interface to transport raw digital video data from the sensor to the host PC. A software application is provided with the demonstration system to enable the user to display the data from the sensor on the host computer, and to change registers settings of the sensor for fine tuning and evaluation purposes.

NEMOKIT contains a removable daughter board for each Wafer Level Camera.

	DIMENSIONS
Maximum Video Resolution	Up to 5MP
Buffer Memory Data Bus Width	16bit
Buffer Memory Operating Frequency	80MHz
Buffer Memory Size Total	32MBytes = 8MWord x 2Logical Bank
Maximum Number of Frames to Store (Logical Bank)	2
Maximum Data Transfer Rate	48MBytes/Sec
Supported Video Format	YUV 422 , Bayer (8/10/12/14), RGB565
Supported Operating System	Microsoft Windows XP, Windows Vista
Power Requirement	USB Bus Power



NEMOKIT CAPABILITY

Hardware Requirements

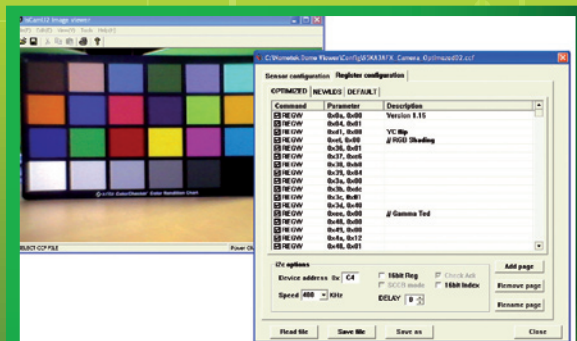
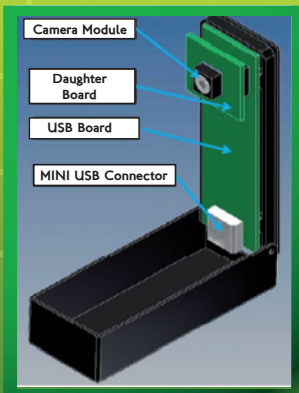
- Pentium III 450 MHz or higher
- 128MB RAM
- USB 2.0 Host controller

Software Requirements

- Minimum Windows XP or later version

Nemokit System Contents

- Daughter board with a WLC camera
- Mother board
- Nemotek's case
- USB 2.0 cable
- Software CD
- Demo user manual



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software allows Sensor's Registers Fine Tuning