

Camels Smart Platform Series

Model NexSmart™

The NexSmart™ is a university platform that is designed for advanced image/video processing applications such as machine vision, video analytics, and other video applications. Built-in programmable Texas Instruments Inc.'s (TI) video DSP and Xilinx® FPGA process video images by high-level programming with CAMELS® SDK. Flexible DSP-based architecture meets all of your customization needs. Contact us for the latest applications with built-in Camels Smart Platform.



(camera not included)

Key Features

- Industrial (– 40°C to 85°C) or automotive (– 40°C to 125°C) PCBs option
- Composite/Camera Link®/RS-422 video input
- Composite/VGA RGB/Camera Link®/Ethernet/USB 2.0/RS-422 video output
- Up to 5,760 MIPS TI video DSP @ 720MHz
- Up to 70K Logic Elements & 234KB Block RAM of on-board FPGA
- Up to 4 MB flash for job & program storage
- Up to 256 MB SDRAM for image acquisition & processing
- One RS-232 UART port
- 4xIN, 4xOUT external I/Os support
- Expansion connector for application daughter cards
- Configured by Ethernet or serial I/Os
- Full board peripheral control library
- DSP board Built-in Self Test (BIST) utility
- Full-featured Windows® board SDK (APIs)

Features Option for Licensed Users

- Design schematics, PCB Gerber files & detailed Bills of Materials (BOM) of Camels Smart Platform
- Production-tested DSP Intellectual Properties (IPs) optimized for Camels Smart Platform



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