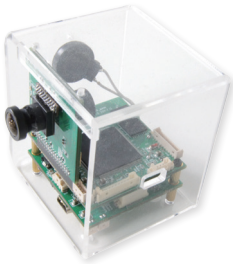
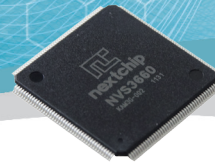


High-performance H.264 Full HD Security SoC

NVS3660



NVS3660 is a high-performance multi-Codec (H.264/MJPEG) Full HD Security (IP Camera, 2-Ch Car Blackbox) SoC.

It integrates 533MHz ARM9 processor with 16KB, 8KB I/D caches, H.264 Encoder, MJPEG Encoder, USB2.0 OTG, Composite, 10/100Base-T Ethernet / Fast Ethernet transceiver and most applicable peripherals. For example, built-in DDR2 controller and SPI flash controller will decrease over all system cost to make your system more cost efficient. Fully-hardwired crypto accelerator, SD card controller and high efficient AD/

DA audio Interface module will enable you to make your system simple.

NVS3660 will be one of the best cost effective and performance effective development platforms for various applications.

Features

- H.264 Enc 1920×1080p@30fps
- H.264 Enc 1280×720p@60fps
- MJPEG Enc 720×480@60fps
- 2ch of CCIR656/BT.1120 Video Input
- 3D-deinterlace and de-noise filter
- USB 2.0 OTG controller
- MMC/SD card controller (SDIO)
- SPI flash booting
- Audio AD/DA interface



Specifications

CPU	• ARM9 RISC (533MHz, 16KB, 8KB I/D-cache)
I/F	• Memory I/F - 16-bit DDRII-800 SDRAM interface 128MB capacity - SPI Flash(SPI Booting) interface - MMC/SD Card Controller(SDIO) • USB 2.0 OTG Controller, RTC Controller • Video Interface - 2-Ch of CCIR656/BT.1120 video input - NTSC/PAL Composite output • 10/100Base-T Ethernet MAC+PAI Controller(MII, RMII)
Etc	• 0 ~ +75°C ambient temperature • 176-TQFP (20mm×20mm 1.0p)

Application Diagram

● 2-Ch HD(720p@30fps + D1@30fps) Car Blackbox Application

