

DevCam HD DVC Reference Design

DevCam HD Reference Design
Production-Ready
Available 2Q08

Application

- Digital video cameras (DVCs)

Design Advantages that Offer a Competitive Edge

1

Fast Time-to-Market

Production-ready solution speeds design time—just encase with your industrial design and manufacture.

2

High-Quality HD

This superior processor/image sensor combination is currently used in high-end DVCs that retail for more than \$700.

3

Low BOM Cost

With a low estimated retail price, this design puts HD video within reach of first-time buyers or consumers looking to upgrade from SD/VGA.

4

Pocket Size

The small camera design and highly integrated processor enable an ultra-small form factor.

5

Complete Solution

Bundled PC software enables editing and sharing for a total user experience.

Reference Design Board



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Features

- MT9M002 CMOS image sensor
- Ambarella A2 video processor
- HD video capable
- Simple user interface
 - HD/SD Record, Play, FF, RW, Pause, Delete, 2X digital zoom
- 2-inch color LCD
- AV out
- HD video out
- Built-in microphone and speaker
- Removable SD card slot
- Two AA battery operation

Specifications

Recording Format

- Full Resolution: 1440 x 1080 @ 30fps
- HD: 1280 x 720p @ 60fps
- SD: 720 x 480p @ 60 fps

- 2.2µm pixel size
- 1/4.5-inch optical format
- RGB color filter
- On-chip, 12-bit ADC

Software Specifications

Bundled PC software is installed and ready to use without any OEM modifications and provides a total user experience:

Edit

- Video editing
- Movie making
- Video archiving

Share

- Transcode to DVD
- E-mail video
- Upload to popular Internet sharing sites



How to Buy

The DevCam HD DVC reference design may be ordered through your Micron representative. Additional technical information (schematic, Gerber file, BOM list, sensor data sheet) is also available upon request. Visit the Micron Web site for more details.

micron.com

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