



## AL37204C-DMB Reference Design *Perfect-fit Multi Display Ref. Design!*

**Just right combo of function, performance and value; also features SD Card capture**

### Introduction

The AL37204C-DMB-A0 demo product demonstrates a versatile, cost-effective reference design for Multi-Channel DVR applications, using AverLogic's AL37204 and AL244 chipsets. It provides fully configurable, 4-channel multi-video display for applications like Home Surveillance Systems, Home DVRs and Car Recorders .

This product is easy to setup and use. It has a convenient keypad with intuitive control procedures. You can easily record and save images to an SD card which can then be downloaded to a PC, much like you do with Digital Camera images.

This product features an MCU 8051 processor and a C code programming interface, providing Engineers with a familiar platform that promotes faster development and hastens time-to-market. AverLogic also provides the most thorough and complete technical documentation support.

### Applications

- Car Multi-Display System
- Car Recorder
- Home Surveillance System
- Home DVR

### AL37204C-DMB Features

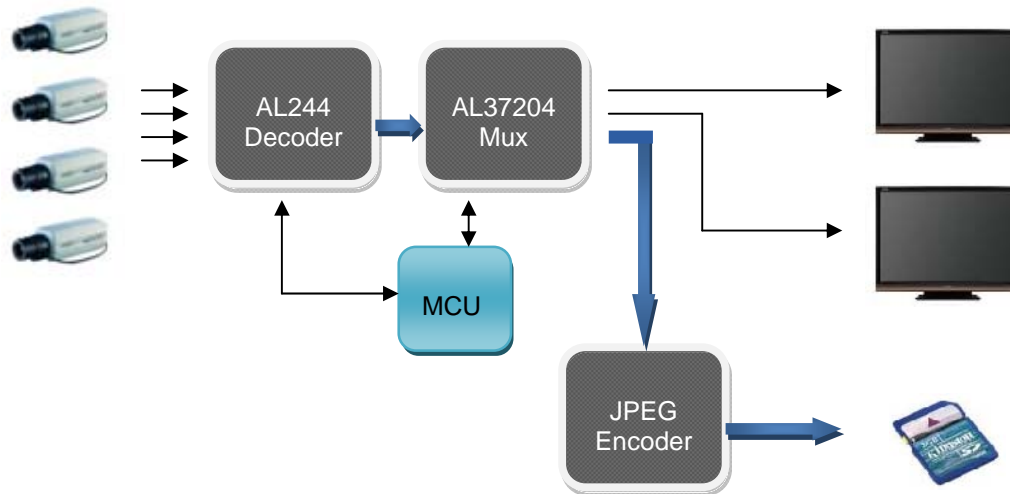
- Video Input/Output
  - 4 CVBS inputs
  - 2 CVBS outputs
  - NTSC:720x480x60 Fs / PAL:720x576 50 Fs
- Control interface
  - Key Pad
  - Remote control
- Compression / Storage
  - JPEG Encoder
  - SD Card 1/2/4/8/16/32 GB
  - JPEG 2~5 frames/Sec@VGA 640x480
  - Windows AP supported

### Design Materials

- Hardware
  - Evaluation board
  - Reference design schematic
  - Reference design PCB Layout
  - Reference design Gerber file
  - Hardware Application notes
- Firmware
  - MCU8051 source code
  - F/W Application note
- Windows AP
  - Windows AP (Win XP/Vista/7)

**Complete documentation support for evaluation and development**

- DMB
  - .Quick Setup Guide
  - .General Application Notes
  - .Software Application Notes
- JPEG Encoder
  - Datasheet
  - I2C Timing Chart
  - Schematic DSN/PDF File
  - Windows AP Execution File
- AL37204/AL244
  - AL37204C/AL244C Datasheets
  - MCU8051 C Source Code
  - AL37204C Script Files Table
  - AL37204C-EVB-A2 User Manual
  - AL372XX Register Definitions
  - AL37204 EVB Schematic DSN/PDF file
  - AL37204 EVB H/W Application Notes

**Block Diagram**

**Ordering Information**

| Part number            | Description      |
|------------------------|------------------|
| AL37204C-DMB-A0-SDK-CD | Design Materials |