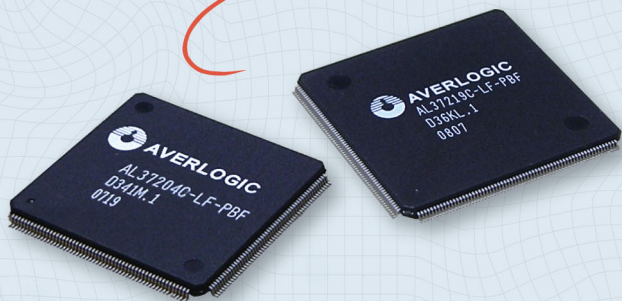


AL37204 AL37219

Video Surveillance Controllers



Introduction

The AL37204 and AL37219 controllers are AverLogic's 4-ch and 9-ch control solutions for Multiplexers, DVRs and Video Server CCTV applications. Both controllers provide an additional input channel for playback and three separate output paths, providing 8-bit ITU-R BT.656 format data for maximum flexibility, meeting digital video recording and LCD TV/monitor display requirements.

Features

- Supports NTSC and PAL standards
- A single chip supports 4-ch(AL37204)/9-ch(AL37219) real-time surveillance
- Supports multi-window display modes of 1,2,4,6,7,8,9,10,13,16 windows
- Supports PIP/POP display modes
- Supports motion detection / video loss
- Programmable brightness, contrast and saturation adjustment

Features

- Individual channel freeze
- Replay on individual channels
- Programmable bitmap type font for embedded OSD display

See back for more Features

Applications



Features (continued)

- Independent linear horizontal/vertical (H/V) scale down factors (1/2, 1/3, 1/4, 2/3, 3/4).
- Supports DDR 16/32-bit interfaces up to 8 Gbits of memory
- Motion detection resolution: 16X12 grids
- Supports channel-switching at front-end TV decoder
- VBI insertion and extraction
- Supports external VCR / DMR / DVR signal triggers
- Three embedded TV encoders with three DACs

Interface

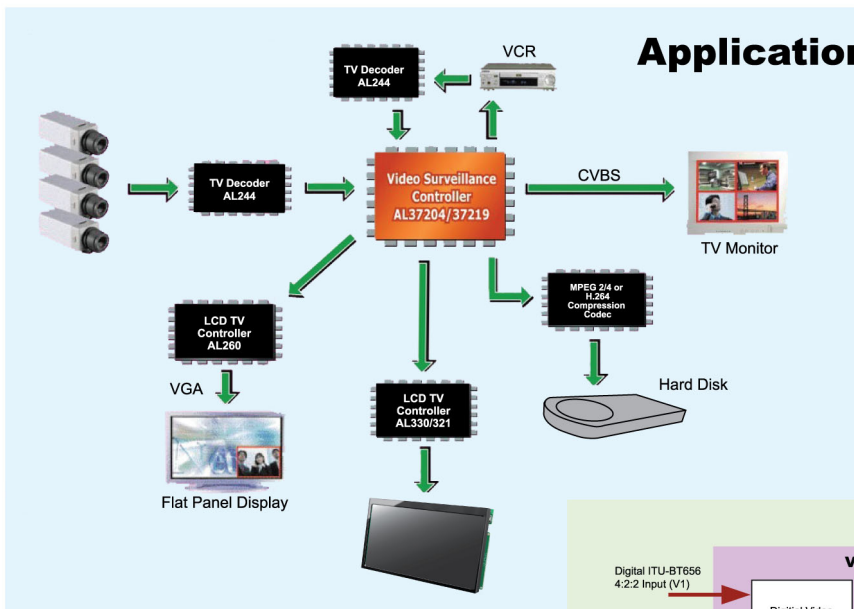
- 4/ 9 digital ITU-R BT. 656 inputs with another additional input for playback, which is shared with the second digital output port.
- 3 independent digital ITU-R BT. 656 output ports.
- 3 independent analog output ports for S-video or Composite signals.

Applications

- Video Surveillance Multiplexor/Processor
- DVR and POS DVR
- Video Server
- Highway traffic throughput surveillance
- Medical inspection/surgery
- ATM machine surveillance
- Defense surveillance
- Recovery room monitors in hospitals
- Home stay monitoring
- Extended-hours monitoring in biological experimental laboratories
- Car rear-vision systems
- High-end TV boxes with channel preview

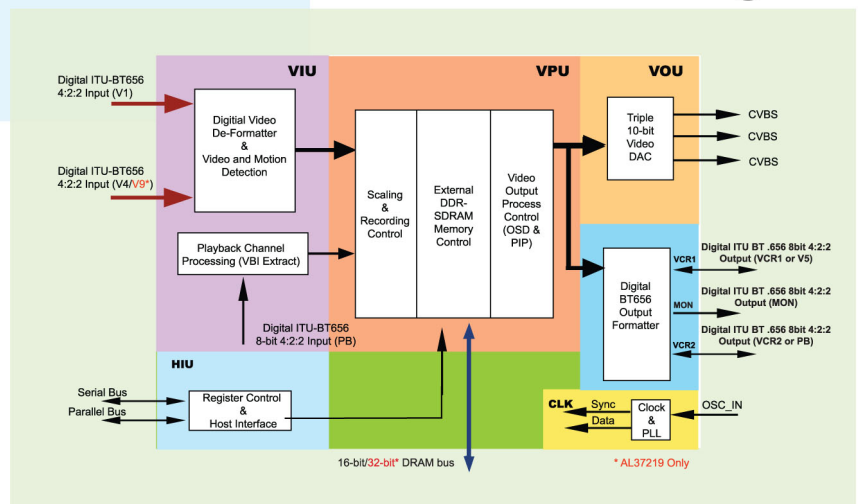
Additional AL37219 Features

- 9 channel live multiplexing, 1 individual channel for playback only
- 32-bit DDR interface supports up to 8 Gbit of memory for immediate replay on every channel.



Application Flow Diagram

Block Diagram



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Ordering Information



Part Number	Package
AL37219C-LF-PBF	LQFP 256
AL37204C-LF-PBF	LQFP 216