



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Multichannel H.264 Audio/Video Codec

TW2809C

Features

TW2809C is a high performance and cost effective multi-channel H.264 codec solution designed for security surveillance market. It is capable of encoding and decoding maximum 8 channels standard definition (SD) video in real time. It can do high definition (HD) 1080x60i encode or decode at real time too. Each video channel can be independently controlled in terms of encode / decode mode, frame rate, bit rate, and resolution. TW2809C is an ideal H.264 codec candidate for different DVR platforms such as 16CH SD or 16CH CIF.

Video Features

- Real time full-duplex video codec compliant to H.264 main profile standard
- Supports real time full duplex 9 channel SD encode and/or decode
- Supports CIF JPEG or H.264 network stream encode
- Supports CBR and VBR
- Four video input ports compliant to BT.656 up to 108MHz
- Four video output ports compliant to BT.656 up to 108MHz
- Two video input ports compliant to BT.1120 at 74.25MHz
- Two video output ports compliant to BT.1120 at 74.25MHz

Audio Features

- Real time 16 channel encode and 1 channel decode compliant to ADPCM standard.
- Independent digital audio input and output I/F compliant to I^2S standard
- Audio sample rate from 8kHz to 48kHz

Peripheral I/F

- External 16-bit DDR2 SDRAM @ 400MHz
- 32-bit PCI target for host communications @ 33/66MHz

Operating Voltage

- 1.2V for core
- 3.3V for I/O pad
- 1.8V for DDR2 DRAM I/O

Physical

- PBGA-320, 27mmx27mm, 1.27mm lead pitch
- 1.2W power consumption

TW2809C

For additional products, see www.intersil.com/product_tree

Intersil products are manufactured, assembled and tested utilizing ISO9001 quality systems as noted in the quality certifications found at www.intersil.com/design/quality

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