

## General Description

The D7PRO ASIC is an MPEG-2/H.264 contribution encoder/decoder solution with integrated high-speed DDR3 for professional broadcast applications. The D7PRO addresses all contribution market needs from legacy MPEG-2 4:2:0/4:2:2 8-bit to H.264 4:2:0/4:2:2 10-bit to 1080p60 encoding and decoding applications. With over a decade of video quality leadership and technology innovation, the D7PRO is the most advanced encoding and decoding solution for video backhauling, events, and DSNG. The D7PRO offers a complete video-audio-ancillary data-mux integrated solution enabling high video quality and low latency at low bit rates for video encoding and decoding.

## Applications

- Events and content origination
- Digital signal news gathering
- Video backhaul
- Ingest and mezzanine

## Features

- Enables low latency contribution encoder and decoder applications with production video quality
- MPEG-2 Main and High Profiles
- H.264 CBP to High 4:2:2 Profiles
- Support for AVC-I 50/100, SD/HD, 4:2:0/4:2:2, 8/10-bit
- Dolby®, MPEG-1 Layer II, AAC Audio
- Ancillary data processing
- Advanced video processing
- Market-proven solution across wide range of networks and interoperability with legacy encoders or decoders

## Ordering Information

Part	Usage	TDP	Pin-Package
DX8773	Encoder	10 W	FCBGA 896pin 31x31mm
DX9773	Decoder	11 W	FCBGA 896pin 31x31mm

For price, delivery schedules, and to place orders, please contact IDT: [www.IDT.com/go/sales](http://www.IDT.com/go/sales)

## Device Diagram

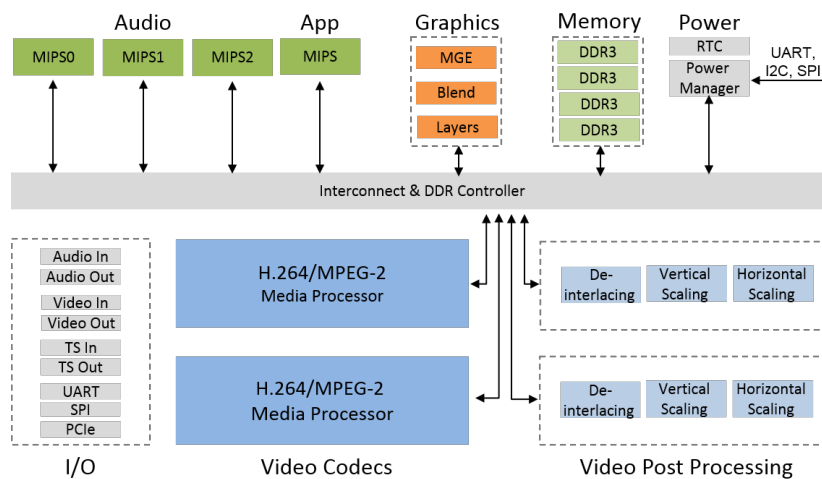


Figure 1: Device diagram

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