General Description

The D7PRO ASIC is an MPEG-2/H.264 primary distribution transcoder/encoder solution for professional broadcast applications. The D7PRO delivers ultra-high video quality encoding at low bit rates, and provides a complete solution for video, audio, and data processing with rich features such as frame accurate data gathering to support statistical multiplexing solutions, multi-format audio encoding, and ancillary data processing capabilities. With over a decade of leadership in video quality and technology innovation, IDT's D7PRO primary distribution solutions sets a new level of video quality to meet current and future distribution over cable, satellite, terrestrial, and IPTV.

Applications

- Ultra-high-quality video distribution
- Cable, satellite, IPTV, and terrestrial broadcast transcoder/encoder
- Statistical multiplexing solution

Features

- Primary distribution transcoder, encoder and decoder delivering unsurpassed video quality
- MPEG-2/H.264, SD/HD, 4:2:0/4:2:2, 8/10-bit
- Dolby®, MPEG-1LII, AAC Audio
- Comprehensive ancillary data support
- DVB-compliant mux
- Channel branding
- Frame accurate stat mux interface
- Backed by two decades of award-winning video compression

Ordering Information

Part	Usage	TDP	Pin-Package
DX7753	Transcoder	11.8 W	FCBGA 896pin 31x31mm
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

Device Diagram

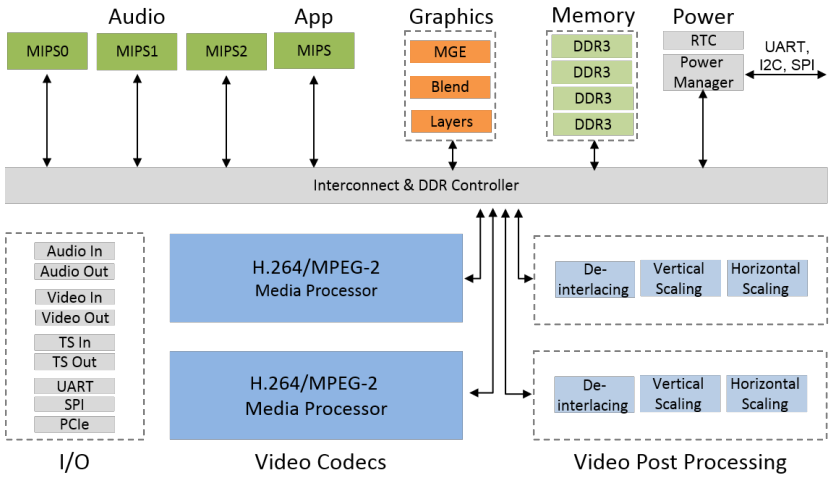


Figure 1: Device diagram