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

<table>
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<tr>
<th>Part</th>
<th>Usage</th>
<th>TDP</th>
<th>Pin-Package</th>
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<td>DX8773</td>
<td>Encoder</td>
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<td>Decoder</td>
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</tbody>
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For price, delivery schedules, and to place orders, please contact IDT: [www.IDT.com/go/sales](http://www.IDT.com/go/sales)

Device Diagram

![Device Diagram](image)

Figure 1: Device diagram