

# HDMI 2.0 Transmitter

## Features

- Compliant with HDMI 2.0 specification and HDCP 1.4 Specification compliant
- Supports high-definition video with up to 4K resolution
- Support for up to 48-bit Deep Color
- Supports industry-standard S/PDIF for digital audio using IEC 60958 2-channel PCM, and compressed (encoded) audio data (DTS, AC3, MPEG Audio) using IEC 61937 format
- Support for I<sup>2</sup>S interface for multi-channel audio
- Capable of carrying all InfoFrame including AVI, Audio, MPEC, SPD and others
- Integrated High-Bandwidth Content Protection (HDCP) 1.4 for both video and audio
- Serial Bus Slave Programming Interface
- Receiver detection: supports Hot Plug Detection
- DVI 1.0 compliant output
- SMIC 65 nm and SMIC 130 nm processes

## Applications

- Set-top boxes
- HD-DVD/Blu-Ray disc players

## Block Diagram

