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 12 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