

LT8819EX --- Product Brief

HDMI-BT656/BT1120 Converter

Features

- Compliant with HDMI1.4 and HDCP1.4
- HDMI input resolution up to 4Kx2K@30Hz
- Output throughput up to 75MHz in BT656 application and output throughput up to 148.5MHz in BT1120 application
- When BT656 output, audio output support 8-channel I2S; when BT1120 output, audio output support 2-channel I2S and SPDIF.
- Supports CEC
- 9mmx9mm QFN-64L package

Description

The LT8819EX is a HDMI to BT656 or BT1120 converter, which converts High Definition Multimedia Interface (HDMI) data stream to BT656 or BT1120 signals. When BT656 output, it also outputs 8-channel I2S and SPDIF signals which enables high quality 7.1 channel audio. When BT1120 output, it also outputs 2-channel I2S and SPDIF.

Standard HDMI uses 19 lines to implement data transmission. The LT8819EX uses the latest ClearEdge™ Technology to implement the conversion of HDMI source devices, such as mobile phone, adapter, etc, to BT656/BT1120 devices.

Applications

- Mobile systems
- Digital still cameras
- Cellular Handsets
- Personal Media players
- Digital video cameras
- Gaming

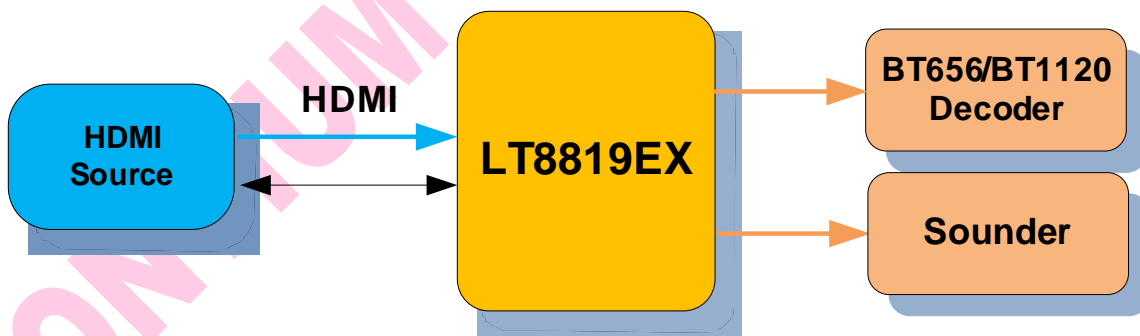


Figure 1. Application Diagram

Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8819EX	-40° C to +85° C	9mm x 9mm QFN64	Tape and Reel

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