

LT8618M --- Product Brief

Low Power HDMI Transmitter

Features

- HDMI 1.3 compliant transmitter with HDCP
- Flexible video interface supports DVD and HD MPEG decoders
- High-End digital audio interface
- Fully integrated HDCP authentication hardware
- Master I2C interface for DDC connection simplifies board layout and lowers cost
- Flexible power management

Description

The LT8618M is Lontium's low power version HDMI transmitter based on ClearEdge™ Technology. It supports the 24-bit color depth HDMI 1.3 (High Definition Multimedia Interface) specification. They are fully backward compatible with Lontium's first generation HDMI transmitter LT8618, and also pin compatible with Silicon Image SiI9030 and Analogix ANX9030 transmitters.

LT8618M is a high performance, low power part that are specifically designed for HD-Digital cameras, HD-Digital Video Cameras, HD-PMP/MP4 Players, Cell phones, etc. The normal operation power is less than 100mA playing 24bit 1080P content, and the standby power is less than 2mA.

The LT8618M accepts digital video and audio in many commonly used data formats, sample rates and bit resolutions. Video, audio, auxiliary and control data is packed according to HDMI standards, making the LT8618M fully compatible with HDMI receivers from major vendors.

Applications

- HDTV
- DVD Player
- Game Box
- Analogue to HDMI Convert adaptor



Figure 1. Application Diagram

Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8618M	-40° C to +85° C	QFN64 (9*9)	Tray

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