

LT8612EX --- Product Brief

HDMI to HDMI/VGA Converter

1. Features

- Compliant with HDMI1.4 and HDCP1.4
- HDMI input resolution up to 1080p@60Hz
- HDMI output resolution up to 1080p@60Hz
- VGA output throughput up to 200MSPS
- YPbPr output resolution up to 1080P@60Hz
- Support 8-channel I2S audio outputs or both 6-channel I2S and SPDIF
- Supports 3D format
- Supports CEC

2. General Description

The LT8612EX is HDMI to HDMI&VGA/YPbPr converter,

which converts High Definition Multimedia Interface (HDMI) data streams to standard High Definition Multimedia Interface (HDMI) signals and analog RGB/YUV signals. It also outputs SPDIF or 8-channel I2S signals which enable high quality 7.1 channel audio.

The LT8612EX uses the latest ClearEdge™ Technology to expand a VGA/YPbPr interface in addition to original HDMI interface.

3. Applications

- NVR/DVR
- PC, Laptop Mother Boards
- HDMI to VGA/YPbPr Dongle
- Car Entertainment System

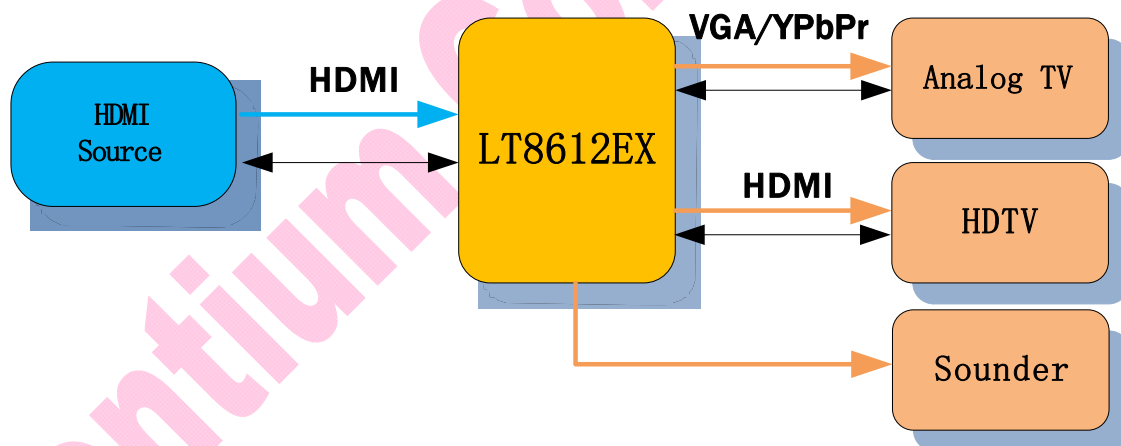


Figure 3.1 Application Diagram

4. Ordering Information

Table 4.1 Ordering Information

Product Name	Part Number	Operating Temperature Range	Package	Packing Method	MPQ
LT8612EX	LT8612EX_E3	-40°C to +85°C	LQFP80 (12*12)	Tray	1190pcs

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