

# LT8612SX --- Product Brief

## HD-DVI to HD-DVI&VGA/YPbPr Converter

### 1. Features

- Compliant with HD-DVI1.4 and HDCP1.4
- HD-DVI input resolution up to 4Kx2K@30Hz
- HD-DVI output resolution up to 4Kx2K@30Hz
- 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 CES (Consumer Electronics Service)
- 12mmx12mm 80-pin LQFP package

### 2. General Description

The LT8612SX is HD-DVI to HD-DVI&VGA/YPbPr converter, which converts HD-DVI data streams to standard HD-DVI signals and analog RGB/YUV signals. It also outputs SPDIF or 8-channel I2S signals which enable high quality 7.1 channel audio.

The LT8612SX uses the latest ClearEdge™ Technology to expand a VGA/YPbPr interface in addition to original HD-DVI interface.

### 3. Applications

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

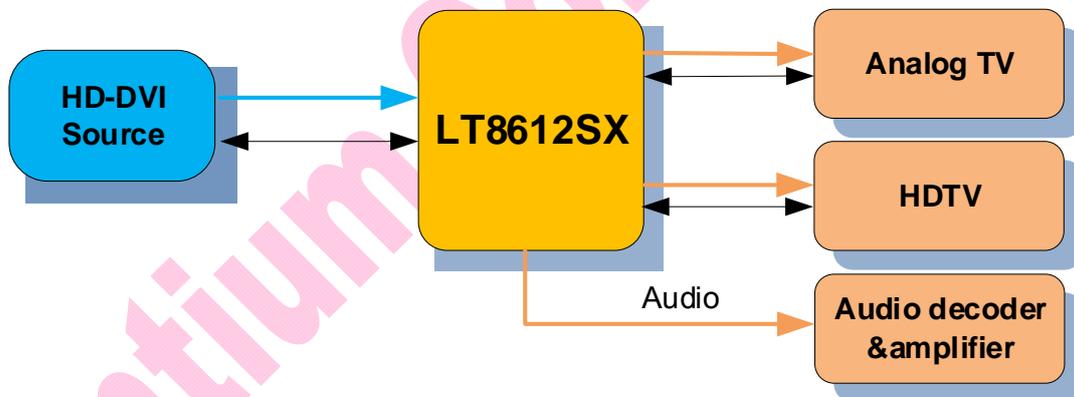


Figure 3.1 Application Diagram

### 4. Ordering Information

Table 4.1 Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8612SX	-40°C to +85°C	LQFP80(12*12)	Tray

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