

FLI32626H Single-chip enhanced LCD TV controller

The [FLI32626H](#) is an innovative System-on-Chip (SoC) controller designed for flat panel display TVs, LCD TVs, and other emerging digital display applications.

The FLI32626H handles video and computer graphics inputs in virtually any format and resolution. The output port delivers unparalleled image quality and supports display resolutions of up to 1080p. It has a rich feature set and high level of integration. Its sophisticated technologies for color management, scaling, video processing, and audio processing make the FLI32626H the ideal solution for a high-quality, cost-effective, integrated TV solution.

The FLI32626H IC offers a high integration SoC solution for advanced analog TV dualchannel applications (e.g. PIP) and for TV products that require superior video and audio quality with extensive feature sets. The FLI32626H includes a flexible analog and digital front-end with a wide range of integrated components for different application needs as well as state-of-the-art dual channel video processing based on renowned Faroudja technologies.

The FLI32626H is the only device needed for a complete LCD TV solution chassis supporting worldwide video and audio standards where exceptional quality is required. For regional variations, only connector and firmware changes are needed

技术特性

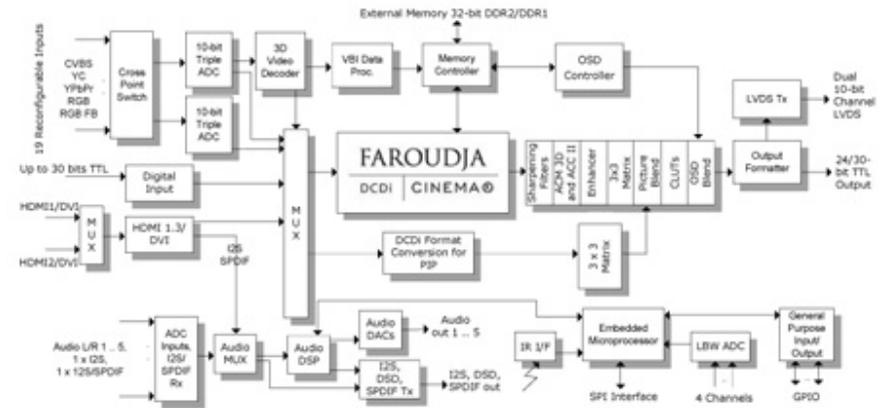
- Dual 10-bit triple ADCs with capture up to 165 MHz
- Integrated 3D video decoder
- Flexible digital and analog capture up to 165 MHz
- Integrated HDMI 1.3 receiver
- VBI slicer including WST version 2.5 support
- Next generation true 10-bit Faroudja DCDi Cinema® format processing
- Flexible DDR2/DDR1 memory interface 32 bits wide
- Faroudja® TrueLife™ video enhancer
- Advanced Picture-in-Picture (PIP) features capabilities
- Faroudja Real Color® processing
- On-Chip Microprocessor
- Advanced bit-mapped OSD controller

应用领域

- LCD and PDP TV
- DLP®, LCD, and LCOS front and rear projection

功能框图

- Embedded 10-bit dual-channel LVDS for 1080p panel support
- Multi-standard digital and analog audio decoder and post-processor
- Package: 409 HSBGA



FLI32626H 订购信息

订购型号	产品状态	美金价格	数量	封装	包装形式	温度范围	材料声明
FLI32626H-BG	Active			PBGA 409 31x31x2.46	Tray		FLI32626H-BG

DATA BRIEF

描述	版本	大小
FLI32626H :DB0722: Single-chip enhanced TV controller	2	134KB

FLYERS

描述	版本	大小
FL3326H1008 : Single-chip enhanced TV controller	1.0	701KB
Faroudja Video Optimized calibration program	1.0	1066KB