

Single-chip analog TV processor

FLI30x02H series of integrated, HDMI-capable ICs



The FLI30x02H series of ICs are exceptional at meeting global market requirements for video and audio decoding and processing, sound IF demodulation, and HDMI input support. The highly integrated solution covers a high-speed triple 10-bit ADC that can capture and process both video and graphic streams. The audio support capabilities are extensive with worldwide TV audio standard demodulations (SIF) including digital audio (NICAM) and audio DSP.

The combination of these and other features make this solution perfect for LCD and portable TVs.

Key features

- Up to 1080p input support (160 MHz)
- Up to +WSXGA resolution output support
- SCART-out support
- HDMI Rx 1.2a with HDCP support
- Full worldwide audio processing
- Advanced color and contrast (ACC) management
- Memory-less design
- PQFP 256 package for two layer PCB design

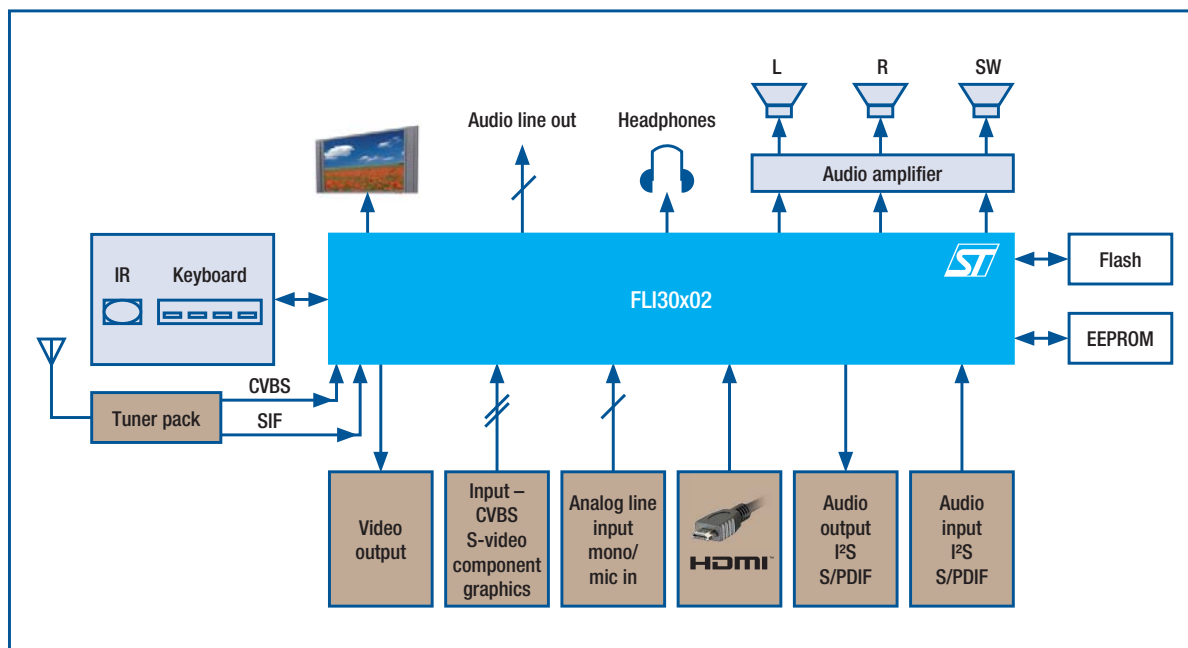
Key benefits

- Highly integrated single-chip analog TV solution with field-proven analog video decoder
- Multi-standard worldwide analog/digital audio decoder and postprocessor
- HDMI integration allowing superior video and audio processing
- Superior video quality with Faroudja DCDi® technology
- DTV front-end support ensuring signal integrity

Targeted applications

- LCD TVs
- Portable or handheld TVs

FLI30x02H system architecture



Software development and evaluation platform

STMicroelectronics provides a comprehensive suite of hardware and software tools to enable rapid product development, including a complete turnkey reference design available with source code for quick time-to-market.



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