FLI32656H
Single-chip enhanced TV controller

Features
- ■ 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
- ■ Integrated DisplayPort 1.1 compliant 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 RealColor® processing
- ■ On-Chip Microprocessor
- ■ Advanced bit-mapped OSD controller
- ■ Embedded 10-bit dual-channel LVDS for 1080p panel support
- ■ Multi-standard digital and analog audio decoder and post-processor

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

External Memory 32-bit DDR2/DDR1

HDMI1/DVI
HDMI2/DVI

Sharpening Filters
ACM 3D and ACC II

24/30-bit TTL Output

Dual 10-bit Channel LVDS

GPIO

www.st.com