

DESCRIPTION

VXIS VX1937 TV encoder is a stand-alone integrated circuit that converts to 525-line (M) NTSC or 625-line (B, D, G, H, I, M, N, Nc) PAL composite video and S-video outputs.

VX1937 integrates a digital NTSC / PAL encoder with 8-bits ADC and 10-bits DAC interfaces.

A high level of integration and performance makes the chip ideal for a variety of stand-alone and system-level integration solutions.

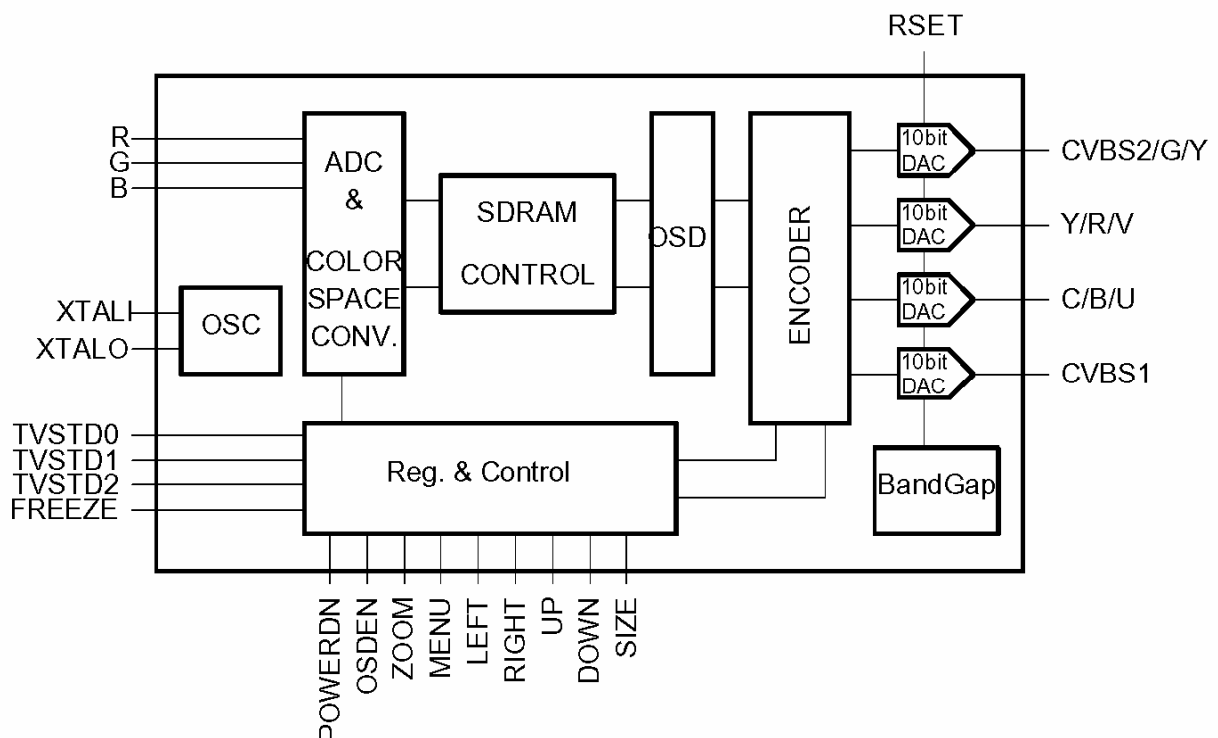
APPLICATION

- Set-top box
- Computer compatible TV
- DVD movie playback

PACKAGE

- 128-pin PQFP

FUNCTIONAL BLOCK DIAGRAM



FEATURES

- Four 10-bits DAC for CVBS2 / G / Y, Y / R / V, C / B / U and CVBS1. Transfer rate up to 27 MHz.
- Internal generate COLOR BAR test patterns.
- Only one Crystal (27 MHz) required.
- Adjustable sharpness, brightness, contrast, saturation and hue.
- Simultaneous composite / S-video output.
- Selectable TV output format, composite, S-video, YUV or RGB for SCART.
- Build in OSD.
- CMOS technology in 128-pin PQFP.
- 3.3V supply.

PIN DESCRIPTION

(There are no internal pull-up/pull-down for input/bi-direct pins)

