



# HX8202

## 240 output color TFT LCD Analog Source Driver for AV Application

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### 1. General Description

This product is a source driver of fully color TFT LCD panel designed for navigator monitor, TV etc. This LSI includes multiplexer for applying to various pixel array types and also due to 2 lines of sample and hold circuit, during sample display image data, previously sampled data can be output. And this product can be chosen simultaneous or sequential sampling for matching the pixel array type.

### 2. Features

- Source driver LSI for fully color active matrix LCD.
- 5V analog power supply and 2.7V(min) logic power supply.
- 4.6V (typical) dynamic range.
- 240 analog LCD driver output.
- 10 Mhz+ (3 phase clock) high speed frequency.
- Able to select internal or external output data rotation control for fitting various color filter pattern.
- Due to internal multiplexer circuit, applicable to stripe and delta pattern color filter by selecting internal rotation control.
- Enable x3 clock mode (simultaneous or sequential sampling by 1 phase clock)
- Simultaneous or sequential sampling is selectable as matching pixel array type.
- Include 2 lines of sample and hold circuit.
- Applicable to COG.
- Adopt  $L/\bar{R}$  (shift direction switch) pin.
- Able to expand output pin numbers by expansion pin (STH1 or STH2).
- Produced from CMOS process.