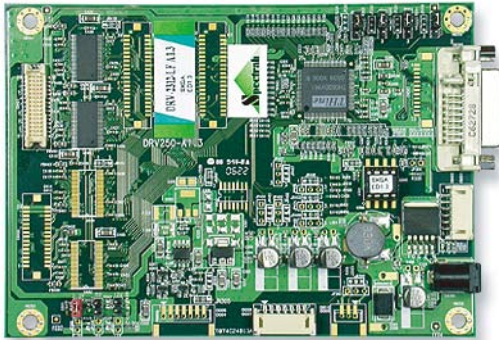




# Digital DVI Receiver Board

**DRV- 2302 / 2312 / 2324 / 2512 / 2524**



## Overview:

DRV-2312 series is a digital to digital converter board designed for the industrial display systems or customized display projects. DRV-2312 series provides excellent display quality from VGA up to WUXGA (1920 x 1080), ease of use, and cost efficient solutions for LCD panel users. The onboard dual channels or four channels of LVDS transmitters are able to drive single or dual LVDS panels. The DRV-2312 series adheres to VESA DVI 1.x (Digital Visual Interface) specifications and supports a wide range of LCD panels including AUO, Chi-Mei, IDTech, Sharp, Fujitsu, Hannstar, CPT, NEC, Toshiba, Samsung, LG, Optrex, and Mitsubishi.

## Specifications:

### Thine THC63DV161 or Silicon Image Sil161 Receiver Chip

- Supports from VGA up to WUXGA resolutions of TFT panels
- Supports dot clock rate up to 160 MHz
- Supports up to 24-bit true color panels at 1 or 2 pixels/clk mode
- Only 3 data channels and one clock channel
- Backwards compatible interface with the Sil101/100 and 141/140

### 30-Pin LVDS Connector

- DRV-2312 (One LVDS connector)
- DRV-2324 (Two LVDS connectors)
- DRV-2512 (Slim version with one LVDS connector)
- DRV-2524 (Slim version with two LVDS connectors)

### Two 40-Pin TTL Connector

- DRV-2302 (Two TTL connectors)

### One DVI-29-Pin Connector

- PanelLink digital input interface

### Supports +3.3V, +5V, +12V DC for Various LCD Panels

### Supports +12V, +5V, and +3.3V DC for Backlight Inverters

### LCD Backlight On/Off and Brightness Control

### Onboard EDID ROM

- VESA DDC 2B 1.X compatible

## Panel Supporting List:

### 10.4" LCD Panel

- CMO\_G104V1-T01
- LG\_LB104V03
- NEC\_NL6448BC33-59
- Optrex\_T51513D104
- Sharp\_LQ104V1DG51
- Toshiba\_LTD104C11S

### 12.1" LCD Panel

- LG\_LB121S1
- NEC\_NL8060BC31-17
- Optrex\_T51512D12
- Sharp\_LQ121S1DG41

### 15" LCD Panel

- AU\_G150XG02
- CMO\_G150X1-L01
- NEC\_NL10276BC30-15
- Sharp\_LQ150X1LW71

### 17" / 18" / 19" LCD Panel

- AU\_M170EG01
- AU\_M190EG01
- CMO\_M170E5
- Samsung\_LTM190E4
- LG\_LM190E03

### 20" / 21.3" / 24" / 26" LCD Panel

- AU\_M201UN02
- AU\_T260XW02
- Samsung\_LTM213U4-L01
- NEC\_NL160120AC27-05
- CMO\_M240J1-L02

## Ordering Information:

- DRV-2312 (DVI, Dual LVDS chips, one LVDS connector)
- DRV-2324 (DVI, Four LVDS chips, two LVDS connectors)
- DRV-2512 (Slim version, dual LVDS chips, one LVDS connector)
- DRV-2524 (Slim version, four LVDS chips, two LVDS connectors)
- DRV-2302 (Two TTL connectors)

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