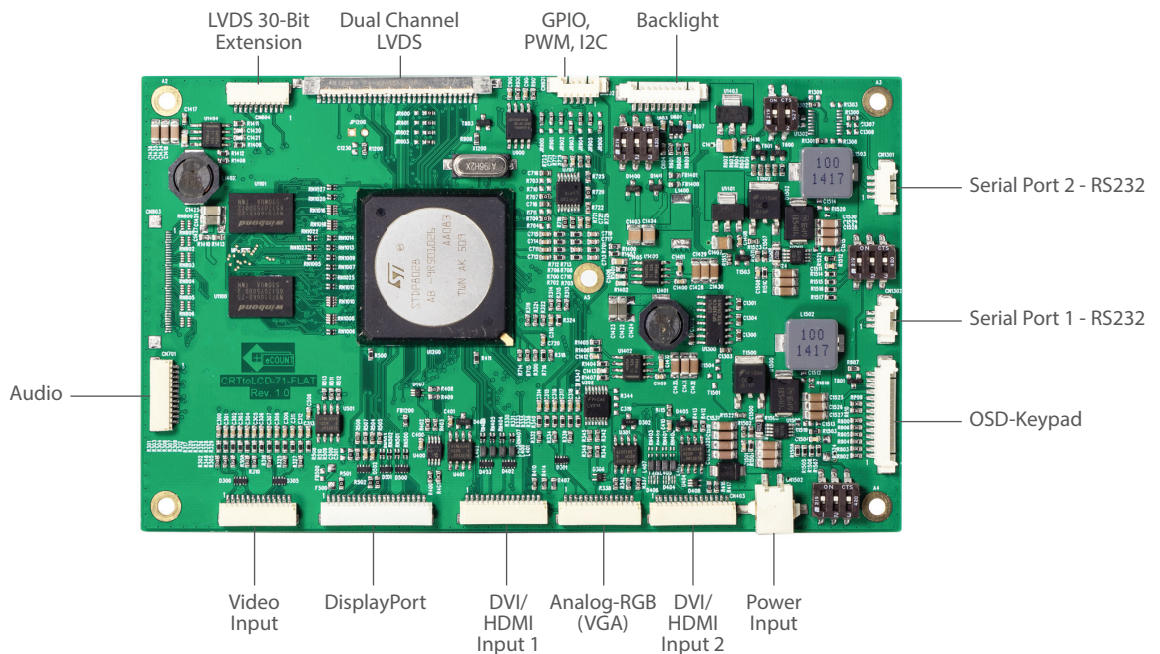Low-Profile Full-HD-Flatpanel Controller with SD/HD-TV Video-Decoder

CRT*to*LCD-71-LP

- DVI, Analog-RGB, DisplayPort, CVBS, S-Video and analog Component inputs
- Display resolution up to WUXGA (1920x1200)
- Displaying of two inputs simultaneous (PiP)
- Independent zoom/shrink for Main/PiP input
- Sound Input / Output
- Powerful software tools including Panel-Editor and Serial-API
- Scripting support
- Super low-profile (8mm)

Low-Profile Full-HD-Flatpanel Controller with SD/HD-TV Video-Decoder
CRT*to*LCD-71-LP

LVDS 30-Bit Extension · Dual Channel LVDS · GPIO, PWM, I2C · Backlight · Serial Port 2 - RS232 · Serial Port 1 - RS232 · OSD-Keypad · Audio · Video Input · DisplayPort · DVI/HDMI Input 1 · Analog-RGB (VGA) · DVI/HDMI Input 2 · Power Input

Description

The CRTtoLCD-71-LP is a super low-profile Full-HD-Flatpanel Controller that allows connection of standard Analog RGB, DVI, DisplayPort, Composite-Video, S-Video and Component-Video sources to TFT-LCD flatpanels.

From a single +12 to 24V DC power supply, the CRTtoLCD-71-LP generates all required supply voltages and power sequencing. LED or CCFL backlight dimming is supported and can be controlled by PWM or absolute voltage level.

The Multi-Standard Video-Decoder handles PAL, NTSC, SECAM and other video formats.

Typical Verticals

Point of Sales (POS):	Check-in terminals
Point of Information (POI):	Public displays
Industrial Automation & Medical:	Panel-PCs, Industrial monitors
Test & Measurement:	Smart displays
Transportation:	Rugged displays
Gaming:	Casino slot machines, Lottery systems, Open frame monitors

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CRT*to*LCD-71-LP

Technical Information

DVI Input	• 2x DVI inputs up to WUXGA
Analog Input	• Analog-RGB up to WUXGA@60Hz, All color depths up to 24 bits
DisplayPort Input	• DisplayPort 1.1 compliant receiver up to WUXGA
Video Inputs	• Composite Video (CVBS) • S-Video • Analog component Video (YPbPr)
Video Decoder (integrated)	• 3D adaptive comb filter • SD-TV (CVBS, S-Video and analog component input) • HD-TV (Analog component input only)
De-Interlacing	• DCDi (Directional correlational de-interlacing) by Faroudja®
High Quality Advanced Scaling	• Horizontal & Vertical Zoom/Shrink allows pixel based independed positioning, zooming and shrinking of Main and PiP input
Specials	• Wide range input power supply 12 V- 24 V-DC • Two separate onboard power supplies for flatpanel (up to 3 A) and backlight (up to 3.5 A) • Ambient Light Sensor support to control backlight brightness via ADC inputs • Multi-function GPIO's configurable as I²C or PWM outputs and external interrupt source • PWM or voltage controlled backlight dimming • Scripting support • DDC2Bi / VCP (also accessible via script) • Serial-API for full access to various functions and features • Serial-OSD for keypad-less OSD control
Integrated On-Screen-Display	• On Screen Display (OSD) for control of all configured features
Display-Interface	• JILI30 (up to 24Bit dual channel LVDS) 30Bit dual channel LVDS via additional connector • Output up to WUXGA@60 Hz (1920x1200)
Form Factor	• 150.01 mm x 89.97 mm x 8.00 mm (L/W/H)
Optional	• Inverter and display cable-kits for various flatpanels