

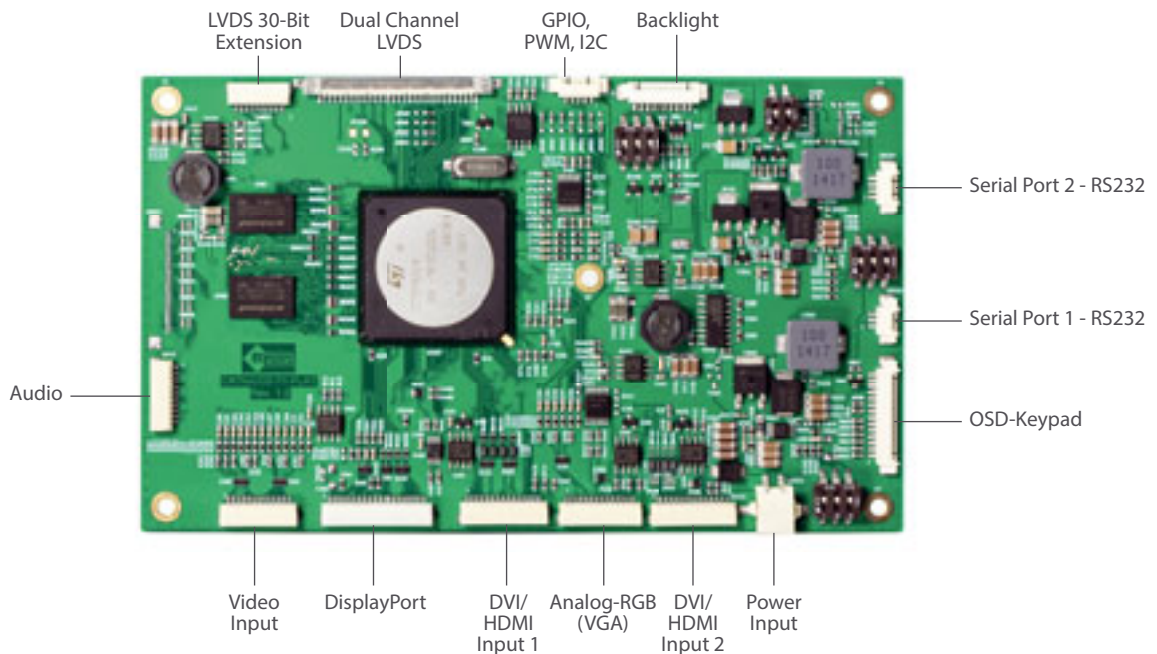


Low-Profile Full-HD-Flatpanel Controller with SD/HD-TV Video-Decoder

CRTtoLCD-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)

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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

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|----------------------------------|---|
| 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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Technical Information

| | |
|-------------------------------|---|
| DVI Input | <ul style="list-style-type: none"> • 2x DVI inputs up to WUXGA |
| Analog Input | <ul style="list-style-type: none"> • Analog-RGB up to WUXGA@60Hz, All color depths up to 24 bits |
| DisplayPort Input | <ul style="list-style-type: none"> • DisplayPort 1.1 compliant receiver up to WUXGA |
| Video Inputs | <ul style="list-style-type: none"> • Composite Video (CVBS) • S-Video • Analog component Video (YPbPr) |
| Video Decoder (integrated) | <ul style="list-style-type: none"> • 3D adaptive comb filter • SD-TV (CVBS, S-Video and analog component input) • HD-TV (Analog component input only) |
| De-Interlacing | <ul style="list-style-type: none"> • DCDi (Directional correlational de-interlacing) by Faroudja® |
| High Quality Advanced Scaling | <ul style="list-style-type: none"> • Horizontal & Vertical Zoom/Shrink allows pixel based independent positioning, zooming and shrinking of Main and PIP input |
| Specials | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • On Screen Display (OSD) for control of all configured features |
| Display-Interface | <ul style="list-style-type: none"> • JLI30 (up to 24Bit dual channel LVDS) • 30Bit dual channel LVDS via additional connector • Output up to WUXGA@60 Hz (1920x1200) |
| Form Factor | <ul style="list-style-type: none"> • 150.01 mm x 89.97 mm x 8.00 mm (L/W/H) |
| Optional | <ul style="list-style-type: none"> • Inverter and display cable-kits for various flatpanels |

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Ordering Information

| Article | Part.-No. | Description |
|------------------|-----------------|---|
| CRTtoLCD-71-LP | 21118E-00-01-01 | Low Profile Multimedia Full-HD-Flatpanel Controller with Analog-RGB(VGA), 2xDVI, DisplayPort and PAL/NTSC/SECAM video inputs and Dual channel LVDS output, Height: 8 mm |
| OSD-Panel-Set-LP | 22011E-00-01-01 | 5-button keypad with dual color LED(red/green) IR-Receiver, Ambient Light Sensor (ALS) incl. cable |
| KAB-COMtoTTL | 61021E | Serial-RS232 to TTL converter cable for CRTtoLCD-51-pro/-61-pro/-71-LP/-61-LP |
| ADAPT-71-LP | 22014E-00-01-01 | Input header adapter with Analog-RGB (VGA), DVI, DP, Video (Composite, S-Video, Component) inputs for CRTtoLCD-71-LP (P/N: 21118E-00-01-01) |
| KAB-ADAPT-71-LP | 61030F | Cableset for ADAPT-71-LP (P/N: 22014E-00-01-01) |
| KAB-ADAPT-P-LP | 61030P | Power input cable for KAB-ADAPT-X1-LP (P/N: 22012E-00-01-01 & 22014E-00-01-01) |