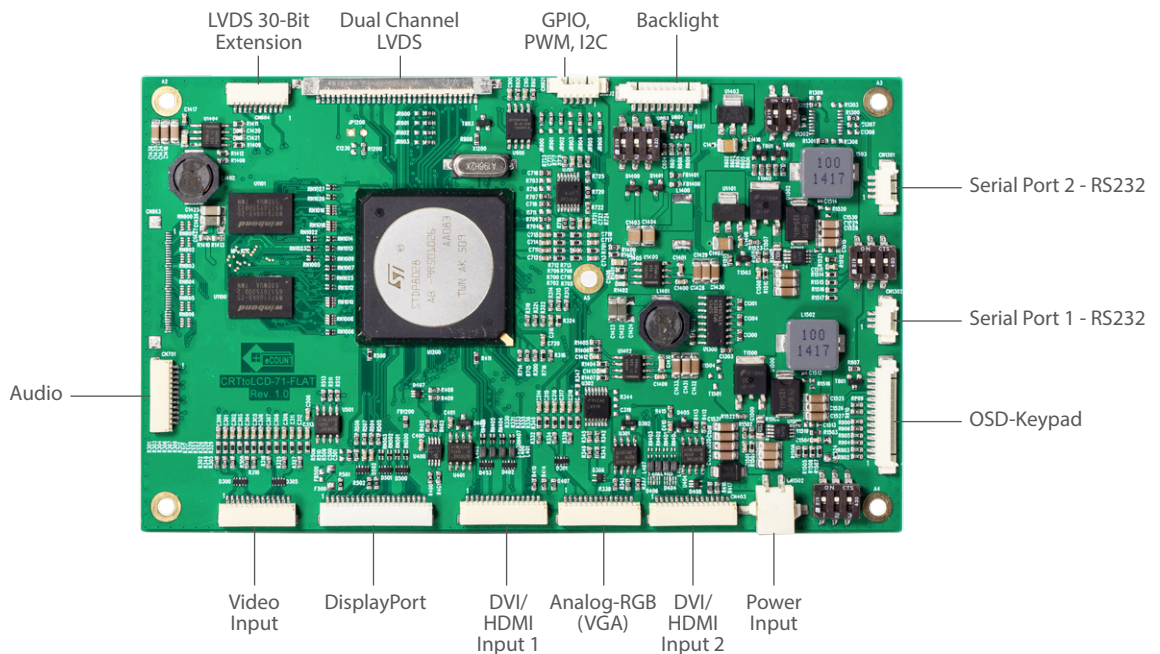


Low-Profile & ext. temp. range Full-HD-Flatpanel Controller  
with SD/HD-TV Video-Decoder

## CRTtoLCD-71-LP-ET

- 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)
- ext. temp. range (-35 °C - +80 °C)

Low-Profile & ext. temp. range Full-HD-Flatpanel Controller with SD/HD-TV Video-Decoder  
**CRTtoLCD-71-LP-ET**



**Description**

The CRTtoLCD-71-LP-ET is a super low-profile Full-HD-Flatpanel Controller with extended temperature range 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-ET 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

Low-Profile & ext. temp. range Full-HD-Flatpanel Controller with  
SD/HD-TV Video-Decoder  
**CRTtoLCD-71-LP-ET**

**Technical Information**

DVI Input	<ul style="list-style-type: none"> <li>• 2x DVI inputs up to WUXGA</li> </ul>
Analog Input	<ul style="list-style-type: none"> <li>• Analog-RGB up to WUXGA@60Hz, All color depths up to 24 bits</li> </ul>
DisplayPort Input	<ul style="list-style-type: none"> <li>• DisplayPort 1.1 compliant receiver up to WUXGA</li> </ul>
Video Inputs	<ul style="list-style-type: none"> <li>• Composite Video (CVBS)</li> <li>• S-Video</li> <li>• Analog component Video (YPbPr)</li> </ul>
Video Decoder (integrated)	<ul style="list-style-type: none"> <li>• 3D adaptive comb filter</li> <li>• SD-TV (CVBS, S-Video and analog component input)</li> <li>• HD-TV (Analog component input only)</li> </ul>
De-Interlacing	<ul style="list-style-type: none"> <li>• DCDi (Directional correlational de-interlacing) by Faroudja®</li> </ul>
High Quality Advanced Scaling	<ul style="list-style-type: none"> <li>• Horizontal &amp; Vertical Zoom/Shrink allows pixel based independed positioning, zooming and shrinking of Main and PiP input</li> </ul>
Specials	<ul style="list-style-type: none"> <li>• Wide range input power supply 12 V- 24 V-DC</li> <li>• Extended temprature range (-35 °C - +80 °C)</li> <li>• Two separate onboard power supplies for flatpanel (up to 3 A) and backlight (up to 3.5 A)</li> <li>• Ambient Light Sensor support to control backlight brightness via ADC inputs</li> <li>• Multi-function GPIO's configurable as I<sup>2</sup>C or PWM outputs and external interrupt source</li> <li>• PWM or voltage controlled backlight dimming</li> <li>• Scripting support</li> <li>• DDC2Bi / VCP (also accessible via script)</li> <li>• Serial-API for full access to various functions and features</li> <li>• Serial-OSD for keypad-less OSD control</li> </ul>
Integrated On-Screen-Display	<ul style="list-style-type: none"> <li>• On Screen Display (OSD) for control of all configured features</li> </ul>
Display-Interface	<ul style="list-style-type: none"> <li>• JILI30 (up to 24Bit dual channel LVDS)</li> <li>• 30Bit dual channel LVDS via additional connector</li> <li>• Output up to WUXGA@60 Hz (1920x1200)</li> </ul>
Form Factor	<ul style="list-style-type: none"> <li>• 150.01 mm x 89.97 mm x 8.00 mm (L/W/H)</li> </ul>
Optional	<ul style="list-style-type: none"> <li>• Inverter and display cable-kits for various flatpanels</li> </ul>

Low-Profile & ext. temp. range Full-HD-Flatpanel Controller with  
SD/HD-TV Video-Decoder  
**CRTtoLCD-71-LP-ET**

**Ordering Information**

Article	Part.-No.	Description
CRTtoLCD-71-LP-ET	21118E-01-01-01	Low-Profile Multimedia Full-HD-Flatpanel Controller with extended temperature range 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)