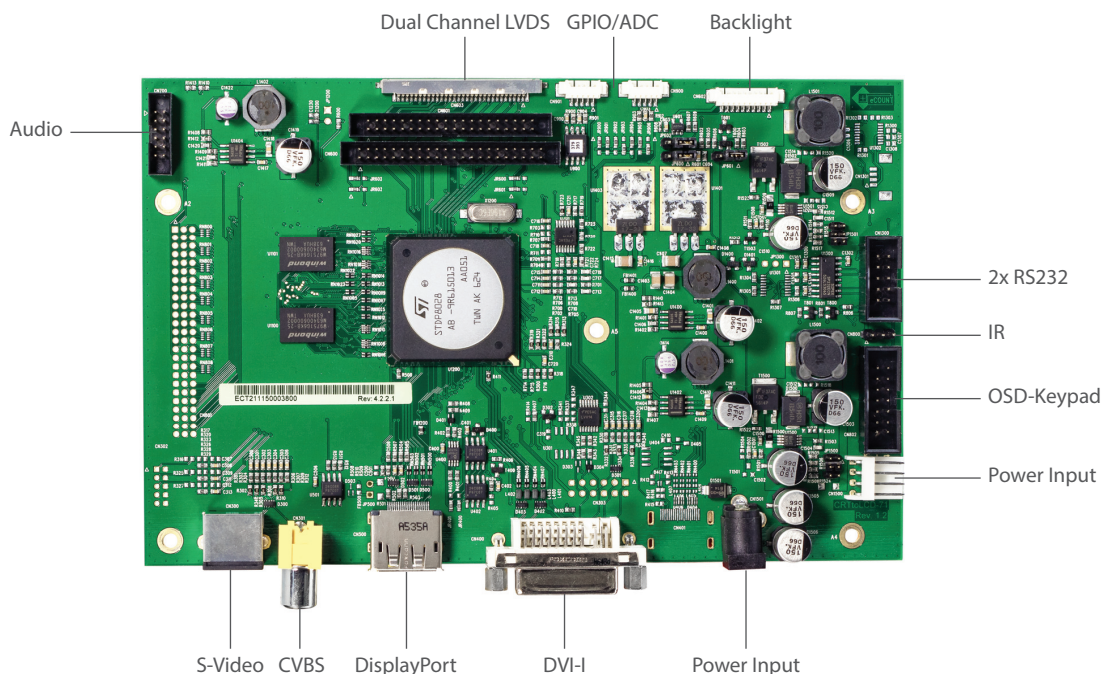


Full-HD-Flatpanel-Controller with SD-TV/HD-TV Video-Decoder

## CRTtoLCD-71

- DisplayPort, DVI and Analog-RGB (VGA) inputs up to 1920x1200@60Hz
- CVBS, S-Video and YPbPr input support
- Advanced high quality picture scaling and de-interlacing algorithms
- Powerful Software Configuration Tools
- Panel Configuration & Embedded scripting support
- Supports Dual-Channel LVDS outputs up to 1920x1200@60Hz
- Wide-range input power supply (12-24V DC)

## Full-HD-Flatpanel-Controller with SD-TV/HD-TV Video-Decoder CRTtoLCD-71



### Description

The CRTtoLCD-71 is 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 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

## Full-HD-Flatpanel-Controller with SD-TV/HD-TV Video-Decoder CRTtoLCD-71

### Technical Information

DVI Input	<ul style="list-style-type: none"> <li>DVI/HDMI 1.3 compliant receiver</li> <li>Up to 1920x1200@60Hz (WUXGA)</li> </ul>
Analog Input (VGA) via DVI-I	<ul style="list-style-type: none"> <li>10-bit triple ADCs with capture up to 205 MHz</li> <li>Input resolution support up to WUXGA@60Hz</li> <li>Composite-Sync and Sync-on-Green (SOG) support</li> </ul>
DisplayPort Input	<ul style="list-style-type: none"> <li>DisplayPort 1.1 compliant receiver</li> <li>Up to 1920x1200@60Hz (WUXGA)</li> </ul>
CVBS and S-Video Inputs	<ul style="list-style-type: none"> <li>Multi-Standard video decoder for PAL/NTSC/SECAM</li> <li>SD-TV (CVBS, S-Video) and HD-TV (YPbPr) inputs</li> </ul>
Picture and Scaling	<ul style="list-style-type: none"> <li>Highest quality scaling and full zoom &amp; shrink capabilities</li> <li>Picture-In-Picture (PiP)</li> <li>FAROUDJA TRUELIFE and REALCOLOR Video Enhancer</li> <li>FAROUDJA DDCI CINEMA format conversion</li> </ul>
Sound	<ul style="list-style-type: none"> <li>1x Stereo output (line level), 2x Stereo inputs</li> </ul>
Specials	<ul style="list-style-type: none"> <li>Wide range input power supply 12 V- 24 V-DC</li> <li>Flatpanel power up to 3A, Backlight power up to 3.5A</li> <li>Ambient Light Sensor(ALS) support</li> <li>Multipurpose GPIO's( PWM / I<sup>2</sup>C ) and analog inputs</li> <li>Embedded scripting engine</li> <li>DDC2Bi / VCP support, HDCP 1.2a compliant</li> <li>2x RS232 interfaces</li> <li>Serial-API for full access to various functions and features</li> <li>Serial-OSD to 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>Dual-Channel LVDS JILI30/JILI40/JILI44 (18/24/30Bit)</li> <li>Up to 1920x1200@60Hz</li> </ul>
Form Factor	<ul style="list-style-type: none"> <li>179 mm x 114 mm x 16mm (L/W/H)</li> </ul>
Optional	<ul style="list-style-type: none"> <li>Inverter and display cable-kits for various flatpanels</li> </ul>

### Ordering Information

Article	Part.-No.	Description
CRTtoLCD-71	21115E	Full-HD-Flatpanel-Controller with Analog-RGB(VGA) via DVI-I, DP , Composite-, S-Video and Component inputs, Dual Channel LVDS output
KAB-COM	61004E	Serial-RS232 connection cable for CRTtoLCD-71
OSD-Panel-Set	22010	5-button keypad incl. cable
KAB-IR	61017E	Infrared(IR) connection cable to be used in combination with standard remote control according to RC5-Standard for CRTtoLCD-71