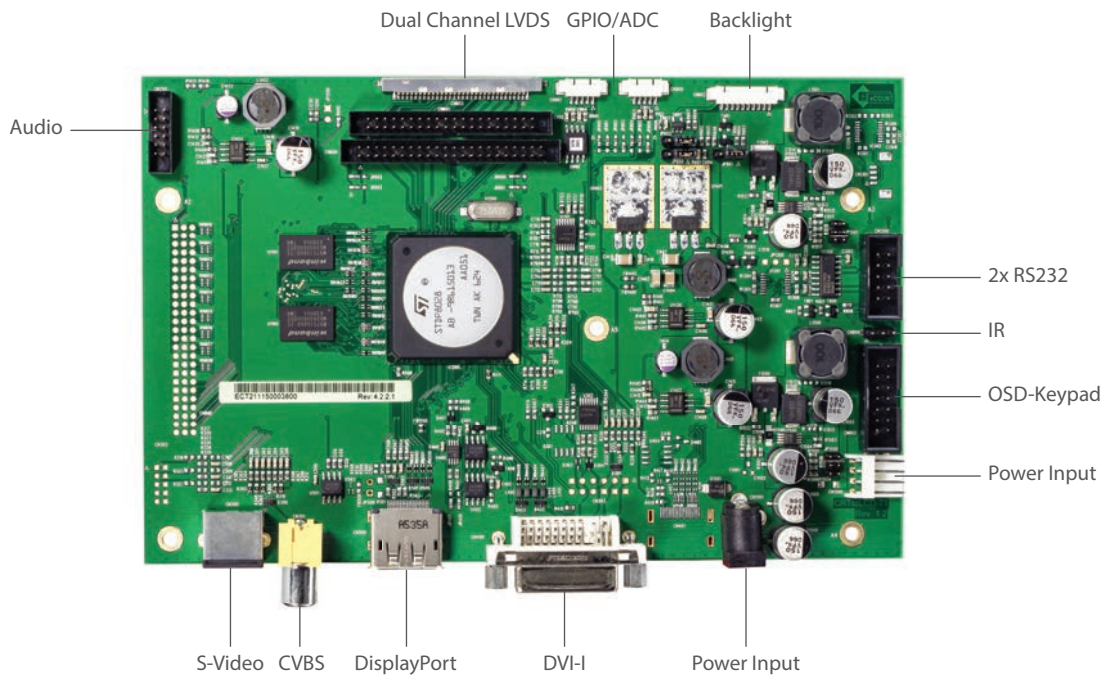


Full-HD-Flatpanel-Controller with SD-TV/HD-TV Video-Decoder

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)

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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

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Technical Information

DVI Input	<ul style="list-style-type: none"> DVI/HDMI 1.3 compliant receiver Up to 1920x1200@60Hz (WUXGA)
Analog Input (VGA) via DVI-I	<ul style="list-style-type: none"> 10-bit triple ADCs with capture up to 205 MHz Input resolution support up to WUXGA@60Hz Composite-Sync and Sync-on-Green (SOG) support
DisplayPort Input	<ul style="list-style-type: none"> DisplayPort 1.1 compliant receiver Up to 1920x1200@60Hz (WUXGA)
CVBS and S-Video Inputs	<ul style="list-style-type: none"> Multi-Standard video decoder for PAL/NTSC/SECAM SD-TV (CVBS, S-Video) and HD-TV (YPbPr) inputs
Picture and Scaling	<ul style="list-style-type: none"> Highest quality scaling and full zoom & shrink capabilities Picture-In-Picture (PiP) FAROUDJA TRUELIFE and REALCOLOR Video Enhancer FAROUDJA DDCI CINEMA format conversion
Sound	<ul style="list-style-type: none"> 1x Stereo output (line level), 2x Stereo inputs
Specials	<ul style="list-style-type: none"> Wide range input power supply 12 V- 24 V-DC Flatpanel power up to 3A, Backlight power up to 3.5A Ambient Light Sensor(ALS) support Multipurpose GPIO's(PWM / I²C) and analog inputs Embedded scripting engine DDC2Bi / VCP support, HDCP 1.2a compliant 2x RS232 interfaces Serial-API for full access to various functions and features Serial-OSD to 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"> Dual-Channel LVDS JILI30/JILI40/JILI44 (18/24/30Bit) Up to 1920x1200@60Hz
Form Factor	<ul style="list-style-type: none"> 179 mm x 114 mm x 16mm (L/W/H)
Optional	<ul style="list-style-type: none"> Inverter and display cable-kits for various flatpanels

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