

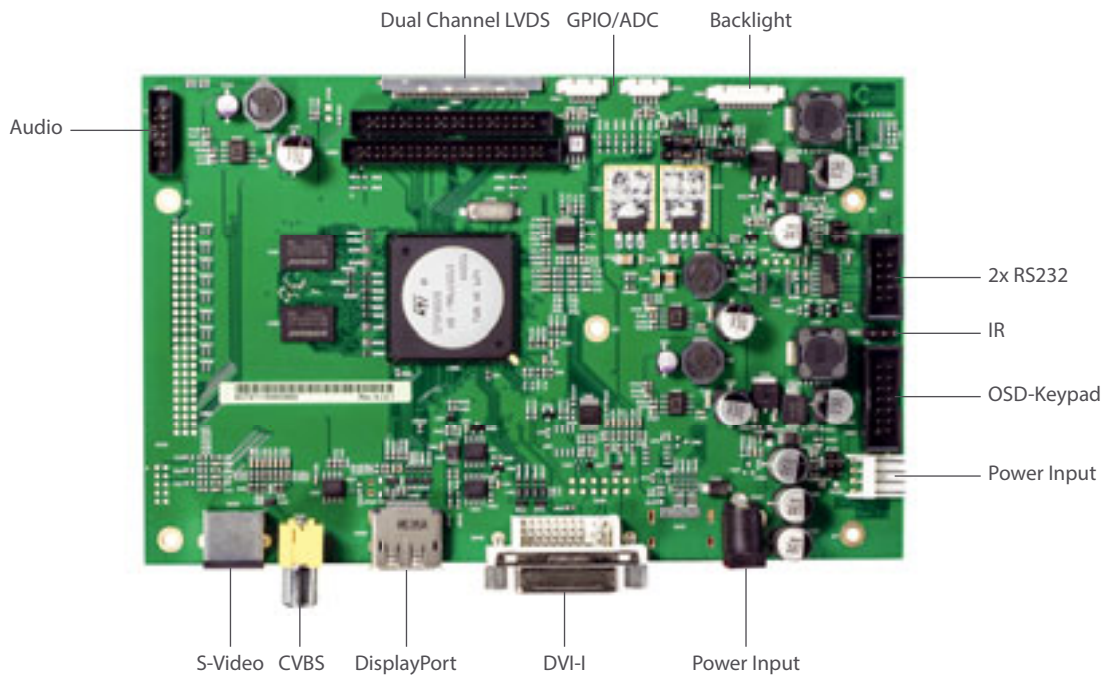


Full-HD-Flatpanel-Controller with SD-TV/HD-TV Video-Decoder

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	- DVI/HDMI 1.3 compliant receiver - Up to 1920x1200@60Hz (WUXGA)
Analog Input (VGA) via DVI-I	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	- DisplayPort 1.1 compliant receiver - Up to 1920x1200@60Hz (WUXGA)
CVBS and S-Video Inputs	- Multi-Standard video decoder for PAL/NTSC/SECAM - SD-TV (CVBS, S-Video) and HD-TV (YPbPr) inputs
Picture and Scaling	- Highest quality scaling and full zoom & shrink capabilities - Picture-In-Picture (PiP) - FAROUDJA TRUELIFE and REALCOLOR Video Enhancer - FAROUDJA DCDI CINEMA format conversion
Sound	1x Stereo output (line level), 2x Stereo inputs
Specials	- 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	On-Screen-Display (OSD) for control of all configured features
Display-Interface	- Dual-Channel LVDS JILI30/JILI40/JILI44 (18/24/30Bit) - Up to 1920x1200@60Hz
Form Factor	179 mm x 114 mm x 16mm (L/W/H)
Optional	Inverter and display cable-kits for various flatpanels

Ordering Information

Article	Part.-No.	Description
CRTtoLCD-71	21115E-00-01-01	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	22010E-00-01-01	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

Mouser Electronics

Authorized Distributor

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