



AVP-1280

The Digital View AVP-1280 interface controller for OEM monitor and custom flat panel display solutions.

The AVP-1280 is a compact high performance single board interface controller providing video connection for a wide range of TFT LCD panels. It is capable of driving TFT colour LCD panels up to SXGA resolution.

Key features of Digital View flat panel interface controllers include excellent picture quality, ease of use, extensive features and cost effective performance.

Panel Connectivity

- TFT:**
- 1366x768
 - 1280x1024
 - 1280x768
 - 1024x768
 - 800x600
 - 640x480
- Input:** 2x Composite Video, S-Video (PAL, NTSC, SECAM)
- Audio:** Optional (add-on board) stereo amplifier with volume control

Features

- Colors:** Up to 8 bit per colour, ie 16.7 million colors
- Function Controls:** Buttons, Infra-red, RS-232 serial
- Function Display:** On Screen Display (OSD) menu of functions with multiple languages
- Multiple-Language:** 3 languages option for OSD menu display (English, Danish, Simplified Chinese)
- Image Control:** Brightness, contrast, color temperature, color, tint (NTSC-Video), image adjust, sharpness
- Other Features:** System information, run-time counter, OSD menu position, audio control, power down option, hot key function, user setting, OSD menu position, direct access function.
- Dimensions:** 142.24mm x 91.44mm (5.6" x 3.6")
- Inverter Support:** 5 & 12V, Enable Pin
- Panel Signal:** TTL - LVDS & TMDS options (add-on board)
- Panel Power:** 3.3V, 5V & 12V
- Power Requirements:** 12V DC
- Support Genlock:** It synchronizes the output display refresh rate to the V-Sync of the input signal.
- Status Indicator:** Dual Color LED support

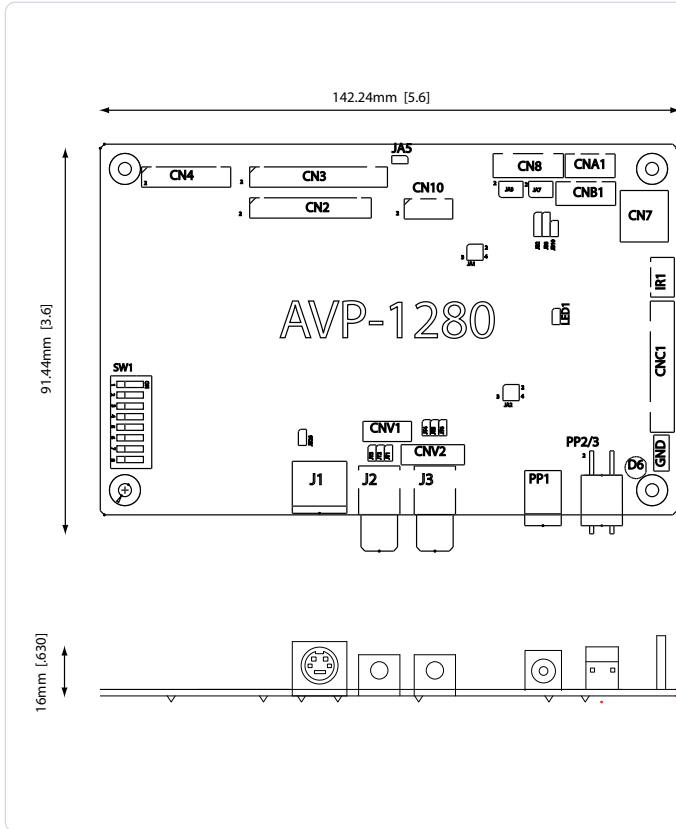
Reliability

Calculated Mean Time Between Failures -
In excess of 100,000 hours. **Warranty - 3 years.**

Options

Custom layouts & connectors. Alternative panel support.

Custom Engineering Services - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.



Connector Definitions

- CN2 Panel signal: Hirose DF11-28DP-2DSA
- CN3 Panel signal: Hirose DF11-32DP-2DSA
- CN4 Panel signal: Hirose DF11-20DP-2DSA
- CN7 Audio board: header pin socket 5x2 right
- CN8 RS-232 serial: JST B6B-XH-A
- CN10 Panel signal: Hirose DF11-10DP-2DSA
- CNA1 Auxiliary power output: JST B4B-XH-A
- CNB1 Inverter: JST B5B-XH-A
- CNC1 Function controls: JST B12B-XH-A
- CNV1 Alternate video in: JST B5B-PH-K
- IR1 IR sensor: JST B3B-XH-a
- J1 S-Video in: mini din 4 way
- J2 Composite video in: RCA jack (yellow)
- J3/4 Audio left & right channel: RCA jack
- LED1 Dual colour status LED: 3pin header
- PP1 Power input: 5.5mm jack for 12V supply
- PP2/3 Alternative power input

Accessories

- 416940020-3 Audio Amplifier
- 416040010-3 Inverter Interface board
- Kit 60109 OSD Button Board
- Kit 60120 OSD Membrane Kit
- Kit 60124 OSD Membrane Kit
- 5590001-00 IR remote control

*See accessories page on website for details.

Available Documentation

- Instruction Manual
- Serial Port Programming Manual
- Firmware Upgrade Manual
- MTBF Analysis

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