



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:	<ul style="list-style-type: none">•1366x768•1280x1024•1280x768	<ul style="list-style-type: none">•1024x768•800x600•640x480
Input:	2x Composite Video, S-Video (PAL, NTSC, SECAM)	
Audio:	Optional (add-on board) stereo amplifier with volume control	

Reliability

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

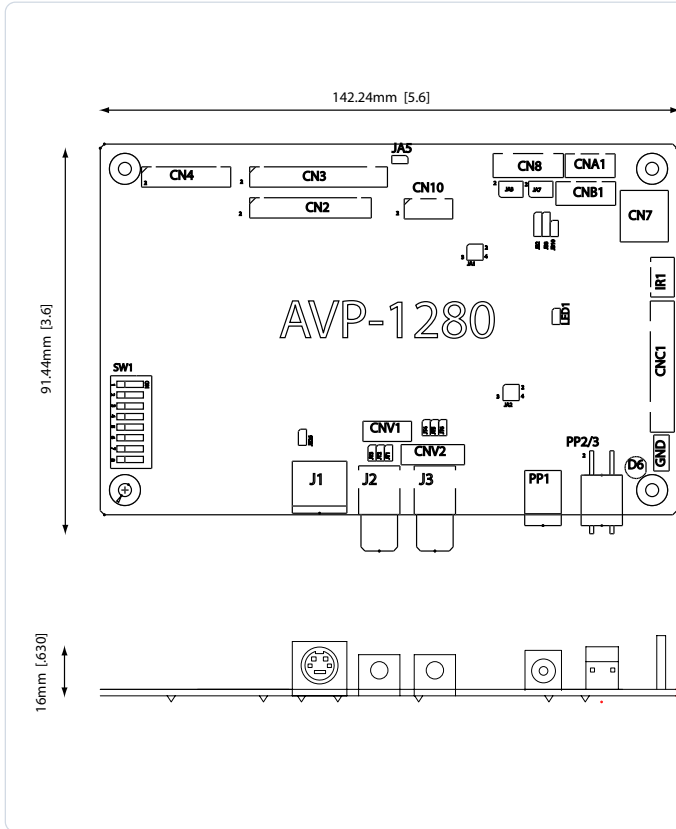
Custom Engineering Services - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

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

Options

Custom layouts & connectors. Alternative panel support.



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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