



**AVP-1600**  RoHS

## The Digital View High Integration OEM Interface Controller

A compact, easy to use high quality Composite and S-Video input video interface for LCD panels up to UXGA 1600x1200 resolution. Both TTL and LVDS panel connections are supported as well as 12v or 24v input power supplies. The AVP-1600 also benefits from a wide range of Digital View accessories to enhance functionality and market application.

Details of these are available at <http://www.digitalview.com/controllers/products.php>

## PANEL CONNECTIVITY

TFT :	1600x1200	1280x800	800x480
	1400x1050	1280x768	640x480
	1366x768	1024x768	
	1280x1024	800x600	

## INPUT

Input:	4 x Composite video or 2 x Composite video & 2 x S-Video (Jumper selectable) NTSC/PAL/SECAM (Interlaced)
Audio:	Optional (add-on board) stereo amplifier with volume control.

## RELIABILITY

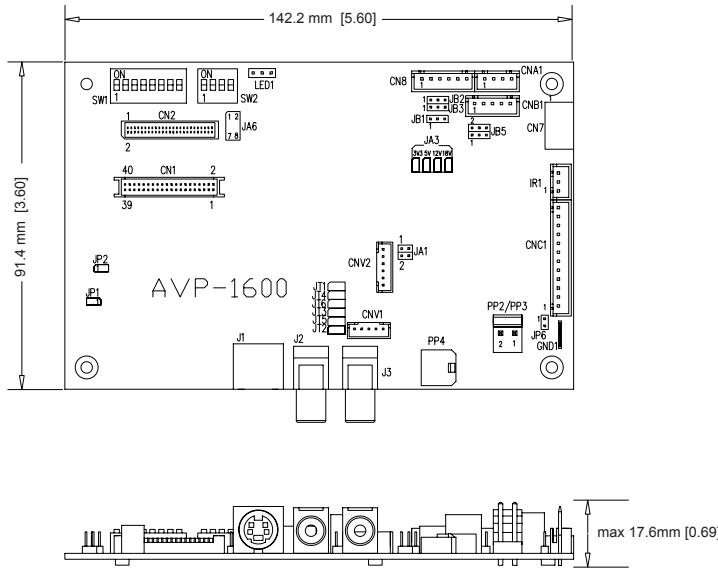
Calculated Mean Time Between Failures -  
260,000 hours. Warranty - 3 years.

## CUSTOM ENGINEERING SERVICES

Panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

## FEATURES

Colors :	Up to 8 bit per color, ie 16.7 million colors.
Functions :	On Screen Display (OSD) menu.
Function Controls :	External buttons, Infra-red, RS-232 Serial Port control.
Image Scaling :	Up scaling to fit input to panel resolution.
Image Control :	Brightness, Contrast, Saturation, Hue, Color temperature, Image position, Gamma.
Other Features :	Auto source seek, OSD timeout, OSD position, input source select, OSD menu lock. Direct key for input source switching
Dimensions :	142mm x 92mm (5.60" x 3.60")
Form Factor :	DV standard & mounting holes.
Power Requirements :	+12V/+24VDC $\pm 5\%$ , 4W (controller only)
Panel Power :	Supports 3.3V, 5V, 12V & 18V panels.
Panel Signal :	TTL (Single pixel) & LVDS.
Inverter Support :	DPMS Enable pin (3.3V or 5V)
Controller Status Indicator :	Dual color LED support.



## CONNECTOR DEFINITIONS

CN1	LVDS panel signal
CN2	TTL panel signal
CN7	Audio Board Connector
CN8	Serial Control (for firmware programming or serial control only)
CNA1	Auxiliary power output
CNB1	Backlight inverter
CNC1	OSD Function controls
CNV1	Alternate video in
CNV2	Auxiliary video in
IR1	Infra-red sensor connector
LED1	Dual color LED connector for controller status
PP2/PP3	Main power input (alternative)
PP4	Main power input
J1	S-Video in
J2	Composite Video 1 in
J3	Composite Video 2 in



## Ready-made 3D drawing files (File type : SLDPR)

Save time and effort for your system volumetric analysis design.

Includes jpg file previews. Please download at  
<http://www.digitalview.com/controllers/products.php>



## Controller Solution Generator

A web based resource matching controllers & panels with connection diagrams for download. Please go to <http://www.digitalview.com/controllers/csg.php>

## ACCESSORIES

Kit 60110-3:	OSD Digital Button Board Kit
Kit 60121-3:	OSD Vertical Membrane Kit
Kit 60125-3:	OSD Horizontal Membrane Kit
416040010-3:	Inverter Interface board
426013800-3:	Power-Input Cable
426090200-3:	RS-232 cable

\*\* Available on Request

## AVAILABLE DOCUMENTATION

<a href="#">Instruction Manual</a>
<a href="#">Revision control documentation**</a>
<a href="#">Mechanical Drawings</a>
<a href="#">Firmware Upgrade Manual**</a>
<a href="#">MTBF Analysis**</a>

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