DIGITALVIEW®

AVP-1600
High Integration OEM Interface Controller

Key Features :

> Dual S-Video and Dual Composite Inputs
> Suitable for Large format professional monitor applications
> VGA to SXGA Resolution

A compact, easy to use high quality Composite and S-Video input video interface for LCD panels up to UXGA 1600 x 1200 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

Panel Connectivity

1680 x 1050	1366 x 768	1024 x 768
1600 x 1200	1280 x 1024	800 x 600
1400 x 1050	1280 x 800	800 x 480
1400 x 900	1280 x 768	640 x 480

Input

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

Reliability

Calculated Mean Time Between Failures :
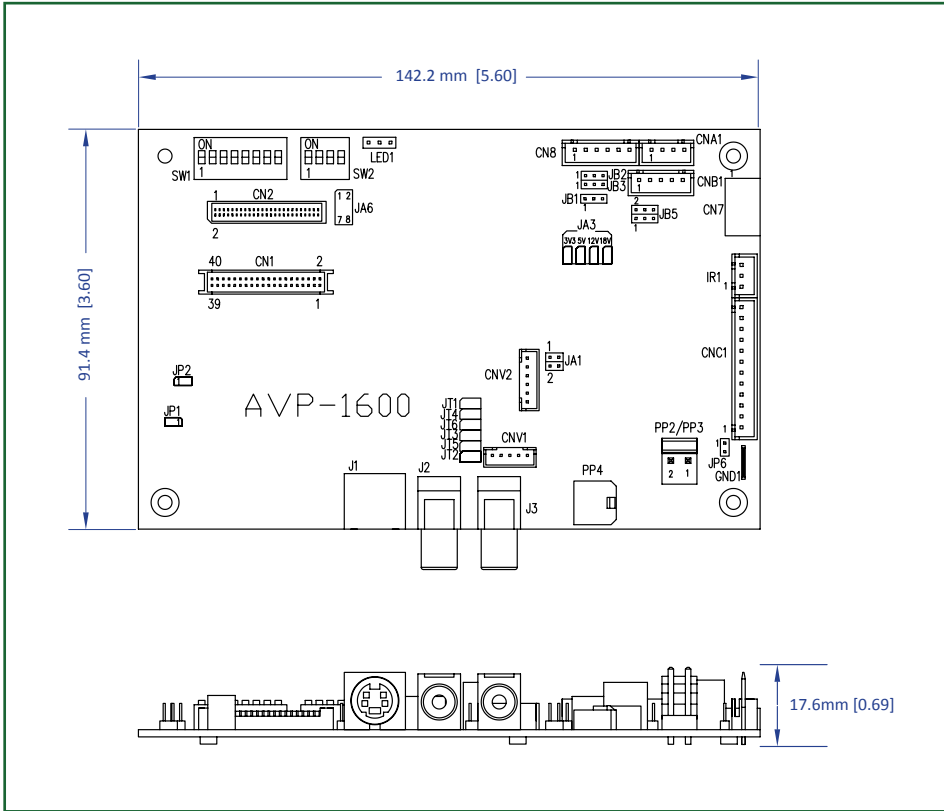260,000 hours. 3 Year Warranty

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 ±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.

AVP-1600

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142.2 mm [5.60]

91.4 mm [3.60]

17.6mm [0.69]

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

Ordering Options / Accessories

AVP-1600 Controller Board	P/N 4172200xx-3
OSD Digital Button Board Kit	Kit 60110-3
OSD Vertical Membrane Kit	Kit 60121-3
OSD Horizontal Membrane Kit	Kit 60125-3
Inverter Interface board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3
IR Remote Control	P/N 559000106-3

3D Drawings (SLDPRT)

Save time and effort for your system volumetric analysis design. Inc jpg file previews.

Please download at www.digitalview.com/ products/avp-1600-lcd-controller