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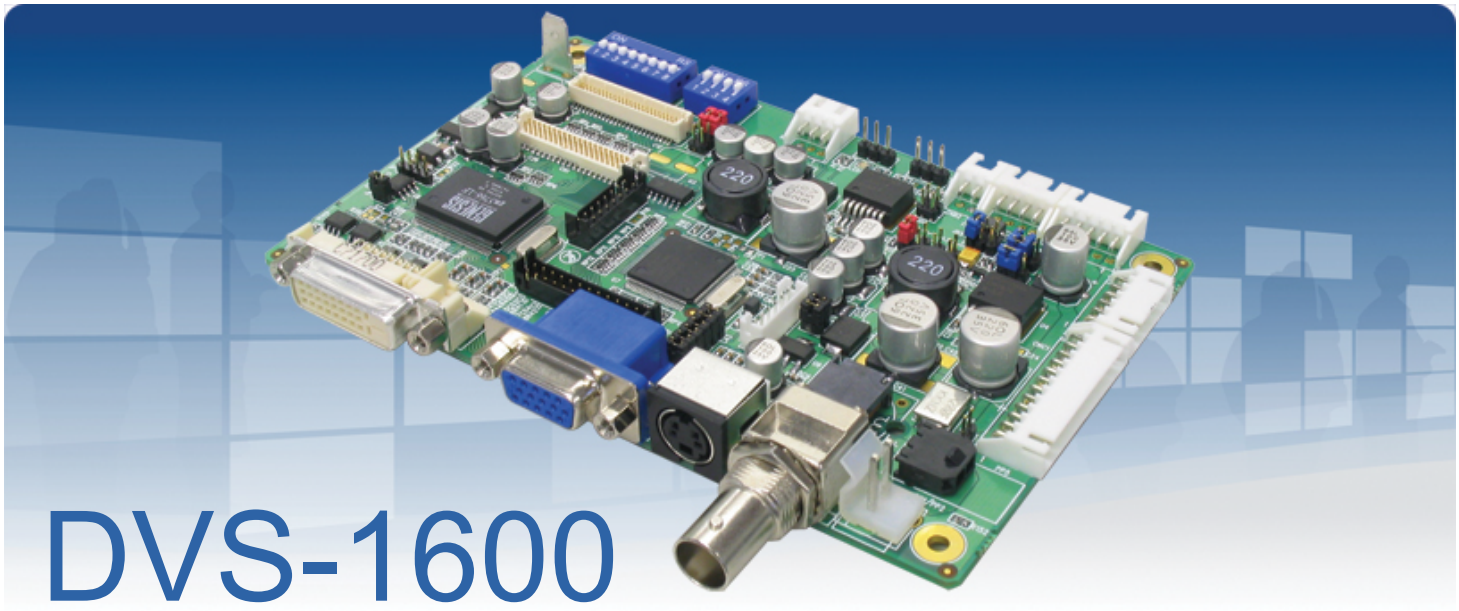
Visit our website - *Click HERE*

DIGITALVIEW®

RoHS

DVS-1600

PC, DVI & Video Interface for TFT LCD panels Part #: 4171400XX-3



DVS-1600

The Digital View high integration OEM interface controller

The DVS-1600 is a cost-effective, high integrated interface controller for TFT LCD monitor applications. Supporting 4:3, 5:4, 16:9 and 16:10 formats up to a maximum of UXGA, the controller addresses both mainstream and legacy applications. A flexible port architecture provides inputs for DVI, VGA, Composite and S-Video along with a wide range of video modes. The DVS-1600 provides both TTL and LVDS outputs and can operate from either 12V or 24V supplies to address today's current panels.

Panel Connectivity

TFT:
- •1600x1200
- •1366x768
- •1280x1024
- •1280x768
- •1024x768
- •800x600
- •800x480
- •640x480

Input

Analog RGB:
- • 60Hz at UXGA
- • 60Hz at SXGA, WXGA, XGA, SVGA, VGA

With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGA ~ UXGA, interlaced & non-interlaced.

DVI-D:
- • 60Hz at UXGA
- • 60Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
- • NTSC/PAL/SECAM (Interlaced)
- • Composite Video • S-video

Reliability

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

Features

Colors: Up to 8 bit per color, ie 16.7 million colors.

Functions: On Screen Display (OSD) menu.

Function Controls: External buttons, Serial Port control.

Image Scaling: Up scaling to fit input to panel resolution.

Image Control: Brightness, Contrast, Saturation, Hue, Frequency, Phase, Color temperature, Image position, Hue, Gamma.

Other Features: Auto picture setup, Auto RGB calibration, 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)

Plug & Play: DDC 1,2/b compatible

Controller Status Indicator: Dual color LED support.

Backlight Status Indicator: Dual color LED support.

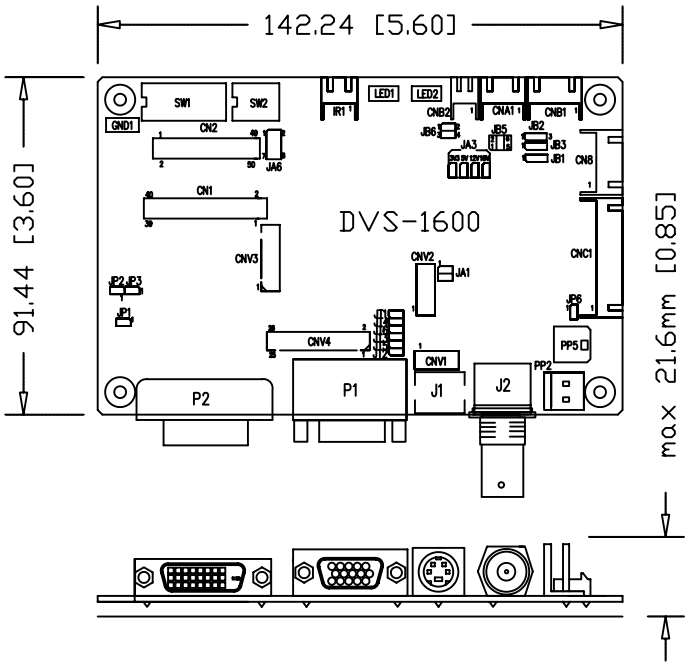
Custom Engineering Services - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

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Connector Definitions

CN1	LVDS panel signal
CN2	TTL panel signal
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	Reserved
CNV3	Reserved
CNV4	Reserved
IR1	OEM only
LED1	Dual color LED connector for controller status
LED2	Dual color LED connector for backlight status
P1	VGA analog input
P2	DVI-D input
PP2	Main power input (alternative)
PP5	Main power input ##
J1	S-Video in
J2	Composite Video in

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

* See accessories page on website for details.

** Available upon request.

Available Documentation

Instruction Manual
Revision control documentation
Schematic diagrams (Subject to NDA)
Mechanical Drawings
Serial Port Programming Manual**
Firmware Upgrade Manual**
MTBF Analysis**

Customer Engineering Services

Digital View offers a wide range of customization for OEM customers. Services range from unique part number and configuration control, custom layouts and features.

Digital View offers managed product lifecycles with extended product lifetime options and EOL planning. US manufacturing is available on all Digital View products.

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