



DVS-1600

High Integration OEM Interface Controller

Key Features :

- > Low power Consumption
- > Small Form Factor
- > DVI, VGA Inputs
- > VGA to WXGA Resolutions

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

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

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. 3 Year Warranty

Custom Engineering Services

Panel timing, splash screen, OSD menu, conformal coatings, layouts etc

Features

Colors :	Up to 8-bit per color, 16.7 million colors.
Functions :	On Screen Display (OSD) menu.
Function Controls :	External buttons, Serial Port Control.
Image Scaling :	Up / Down 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:	147mm x 92mm (5.60" x 3.6")
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
Status Indicator :	Dual color LED support
Backlight Status Indicator:	Dual color LED support.

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