DD-1920-DUAL-DVI

DUAL DVI INTERFACE CONTROLLER BOARD

Key Features :

> Two DVI Inputs
> 1080p 1920x1200 Resolution
> Image control functions with OSD and RS-232
> For professional monitor applications
> MOQ will apply
> Build Options: LED backlight driver
                        Audio amplifier (with volume control)

The Digital View DD-1920-DUAL-DVI interface controller for commercial and industrial applications

The DD-1920-DUAL-DVI is capable of driving the panel up to 1920 x 1200 resolution up to 60Hz panel refresh. This controller supports DUAL DVI inputs

Panel Connectivity

1920 x 1200	1400 x 1050	1280 x 800
1920 x 1080	1600 x 1200	1280 x 768
1920 x 480	1600 x 900	1024 x 768
1680 x 1050	1440 x 900	1024 x 600
1600 x 1200	1400 x 1050	960 x 960
1600 x 900	1366 x 768	800 x 600
1440 x 900	1280 x 1024	800 x 480

Input

DVI x 2:   60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA
                1080p, 1080i, 720p, 480p
                50Hz at 576p

                OSD selection of input port

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 controls, Serial Port control
Image Scaling :	Up / Down scaling to fit input to panel resolution
Image Control :	Brightness, Contrast, Sharpness, Color temperature, Gamma
Other Features :	Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency, select input source
Dimensions:	107.4mm x 73.6mm x 13.55mm
Form Factor:	DV standard & mounting holes
Power:	+12VDC ±5%, 4W (controller only)
Panel Power:	Supports 3.3V, 5V & 12V panels
Panel Signal:	LVDS
Inverter Support:	DPMS Enable pin (5V or 12V)
Plug & Play:	DDC 1,2/b compatible
Status Indicator:	Dual color LED support
Build Options:	LED backlight driver, Audio amplifier

Reliability

Calculated Mean Time Between Failures - In excess of 200,000 hours
Warranty: 3 years

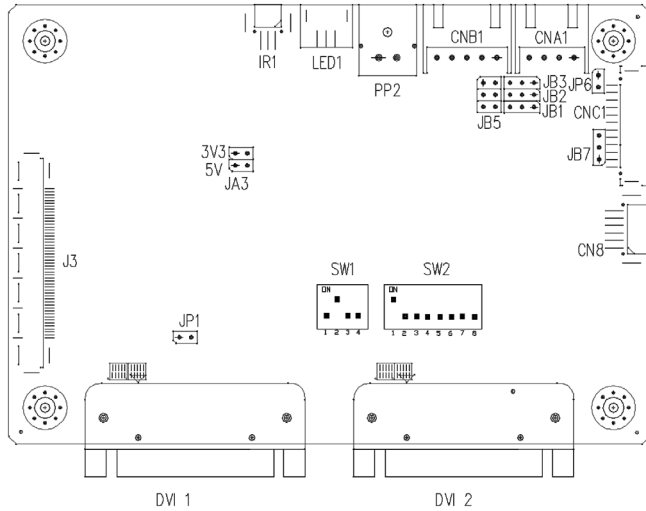## Custom Engineering Services

Custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc

*Specifications subject to change

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Mechanical Drawing

Connector Definitions

CN8	RS-232 serial control
CNA1	Auxiliary power output
CNB1	Backlight inverter
CNC1	OSD controls
DVI 1	DVI-D 1 signal input
DVI 2	DVI-D 2 signal inut
IR1	Infra-Red sensor connector
LED1	Dual color LED connector for controller status
J3	LVDS panel signal
PP2	Power input

Ordering Options

DD-1920-DUAL-DVI   P/N 4173900XX-3

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67134-3
OSD Horizontal Membrane	Kit 67135-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 559000106-3

3D Drawings (SLDPRT)

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

Please download at:
www.digitalview.com/products/dd-1920-dual-dvi-lcd-controller

Available Resources

> Instruction Manual
> Revision Control Documentation**
> Firmware Upgrade Manual**
> Mechanical Drawing
** Available on Request

Controller Solution Generator
http://www.digitalview.com/csg