

## DT-1920-HDMI-EDPT

### HDMI input for Full-HD eDP LCD panels

The DT-1920-HDMI-EDPT LCD controller is similar in functionality to the DT-1290-HDMI LCD controller - redesigned to provide connectivity for eDP interface LCD panels.

Connectivity for 8 bit LCD panels up to 1920x1200 resolution with LVDS input it provides HDMI input via a micro-HDMI connector. Both standard and custom panel and input resolutions are supported.

#### Key Features:

- » Up to 1920x1200 input / Up to 1920x1200 LCD panels
- » HDMI 1.4, Micro-HDMI connector (standard size as build option)
- » eDP panel connection @60Hz
- » Very low latency
- » RS-232, I<sup>2</sup>C for command & control
- » Part number: 4176600xx-3 (micro HDMI)
- » Part number: 4176602xx-3 (standard HDMI)

#### Panel Connectivity

**eDP** Up to 1920 x 1200 @60Hz

**Panel Timing:** Mini-dip switch select

**Panel Power:** Supports 3.3V, 5V, 12V panels

Standard and custom panel resolutions are supported up to the maximum resolution noted above.

#### Input

**HDMI 1.4** 60Hz up to 1920x1200  
75Hz up to 1280x1024

Note: Uses Micro-HDMI connector (standard size is available as build option)

#### Reliability

**Calculated MTBF:** In excess of 250,000 hours

**Warranty:** 3 years

#### Features

**Colors:** Up to 8 bit per color

**Function Display:** On Screen Display (OSD) menu

**Function Controls:** External buttons, Infra-Red controls, Serial Port

**Image Scaling:** Up / Down scaling to fit input to panel resolution

**Image Control:** Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness

**Other functions:** Audio volume

**Communication:** RS-232, I<sup>2</sup>C

**Firmware upgrade:** RS-232, Smart-ISP

**Power:** +12VDC / +24VDC ±5%, 10W (controller only)

**Backlight Support:** DPMS Enable pin (3.3V or 5V), PWM

**Plug & Play:** DDC 1,2/b compatible

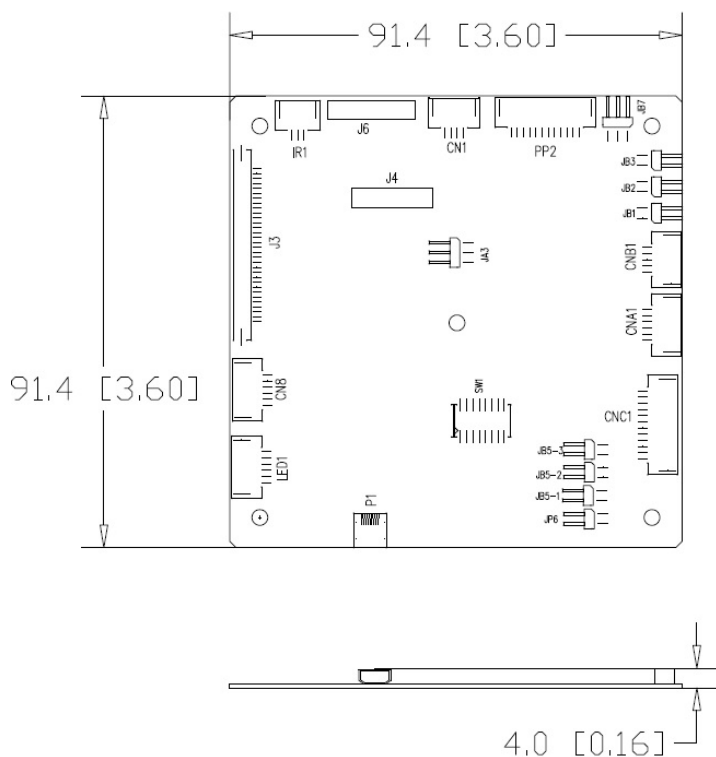
**Status Indicator:** Dual color LED support

**Audio:** Stereo line-out

**Size:** 91.4mm x 91.4mm x 4mm

# DT-1920-HDMI-EDPT 4mm thick LCD controller

## Drawing



## Connector Definitions

<b>CN1</b>	Stereo audio out from HDMI
<b>CN8</b>	RS-232 serial control
<b>CNA1</b>	Ambient light sensor connector
<b>CNB1</b>	Reserved for fan & backlight power monitoring
<b>CNC1</b>	SPDIF Audio output
<b>IR1</b>	Reserved
<b>J3</b>	Reserved for Line in
<b>P1</b>	Reserved for Speaker out
<b>PP2</b>	Power connector for IE-2000

## Ordering Options

**DT-1920-HDMI-EDPT**

**P/N:** 4176600xx-3

Accessories - TBA

## Drawings

- » 2D (jpg)
- » 3D (SLDPRT)

### Webpage at:

<https://www.digitalview.com/controllers/dt-1920-hdmi-edpt-lcd-controller.html>

## Available Resources

- » Instruction manual
  - » Revision control documentation
  - » Firmware upgrade manual\*\*
  - » Mechanical drawing
  - » Custom engineering: Splash screen, OSD menu, coatings, & more...
- \*\* Available on request

### Controller Solution Generator

<http://www.digitalview.com/csg>

### USA

18440 Technology Drive, Morgan Hill, CA 95037, USA  
t: +1 (408) 782-7773

### EUROPE

The Lake House, Knebworth Park, Herts, SG3 6PY, UK  
t: +44 (0) 20-7631-2150

### ASIA

705-708 Texwood Plaza, 6 How Ming St, Kwun Tong, Hong Kong  
t: (852) 2861-3615



The QR code above links to the product page on the website

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