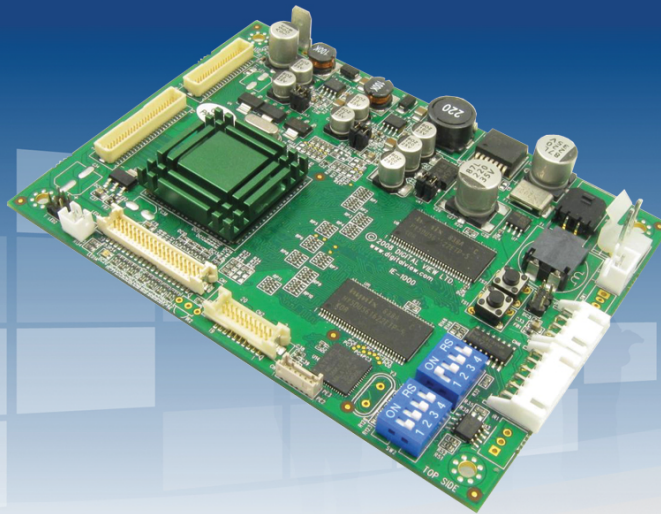




# IE-1000

The Digital View IE-1000 image enhancer board, improves 10 bit 120Hz display.

The IE-1000 is a HD image enhancer interface board capable of driving 10-bit, 120 Hz LCD panels up to 1920 x 1200. Benefits include elimination of film judder and reduced blur caused by latent LCD response times via fast motion compensation frame interpolation. The IE-1000 is an add-on board that can be used with the SVH-1920 LCD Controller, as well as the SVX-1920 and SVH-1920+ LCD Controller.

## Panel Connectivity

**TFT:**

- 1920x1200, 120Hz
- 1920x1080, 120Hz

## Features

### Image :

Eliminates film judder and reduces blur caused by latent LCD response time via fast motion compensation frame interpolation.

### Signal support capability:

Input port :

2 channel LVDS @max 85MHz each

Supports up to 1080p@60Hz

Output port :

4 channel LVDS @85MHz each

Supports up to 1920x1200 120Hz panel resolution.

**Colors:** Up to 10 bit per color, ie 1.07 billion of colors.

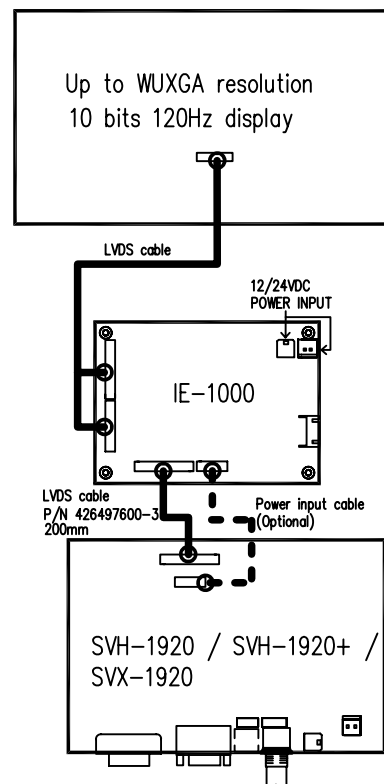
**Power Requirements:** +12VDC / +24VDC  $\pm 5\%$ , 15W  
(IE-1000 only)

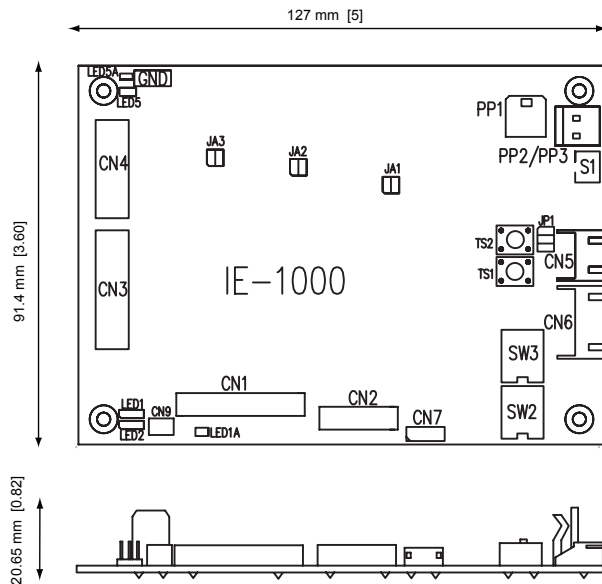
**Status Indicator:** On board LED status for power in and Signal.

## Reliability

Calculated Mean Time Between Failures - In excess of 100,000 hours. Warranty - 3 years.

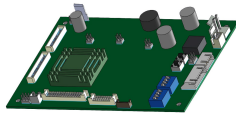
## System configuration





## Connector Definitions

|         |                                                    |
|---------|----------------------------------------------------|
| CN1     | LVDS signal input                                  |
| CN2     | Additional panel power input                       |
| CN3     | LVDS signal output 1                               |
| CN4     | LVDS signal output 2                               |
| CN5     | Reserved                                           |
| CN6     | Serial control (for firmware programming use only) |
| CN7     | Reserved                                           |
| CN9     | Panel backlight control                            |
| S1      | Power on/off control                               |
| PP1     | Main Input Power                                   |
| PP2/PP3 | Alternate power input                              |



## Ready-made 3D Pro-E (SLDPRT) drawing files

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



## Controller Solution Generator

A web based resource matching controllers & panels with connection diagrams for download.

## Accessories\*

|             |                                                    |
|-------------|----------------------------------------------------|
| 426013800-3 | Power-Input Cable for PP1, 160mm                   |
| 426497600-3 | LVDS cable connect between IE-1000 and controller. |
| 416040010-3 | RS-232 Cable (for firmware programming)            |

\* 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\*\*

## ASIA

Digital View Ltd.  
16th Floor Millennium City 3  
370 Kwun Tong Road  
Kwun Tong, Hong Kong

Tel: (852) 2861-3615  
Fax: (852) 2520-2987  
Email: hksales@digitalview.com

## USA

Digital View Inc.  
18440 Technology Drive  
Morgan Hill, CA 95037  
USA

Tel: 1 (408) 782-7773  
Fax: 1 (408) 782-7883  
Email: ussales@digitalview.com

## EUROPE

Digital View Ltd.  
6 Marylebone Passage  
London, W1W 8EX  
UK

Tel: +44 20-7631-2150  
Fax: +44 20-7631-2156  
Email: uksales@digitalview.com