

## 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.

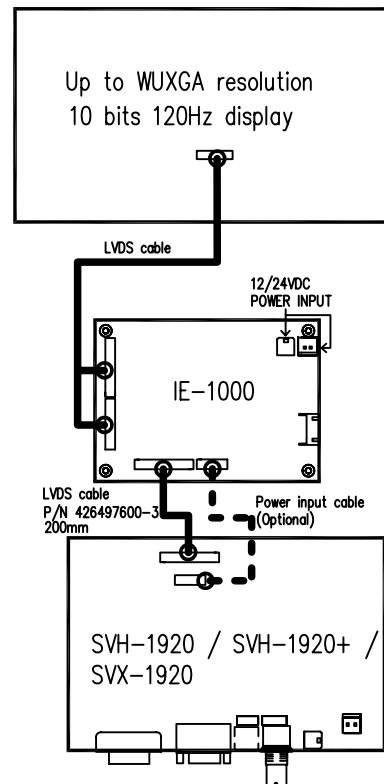
**Power Requirements:** +12VDC / +24VDC ±5%,15W  
(IE-1000 only)

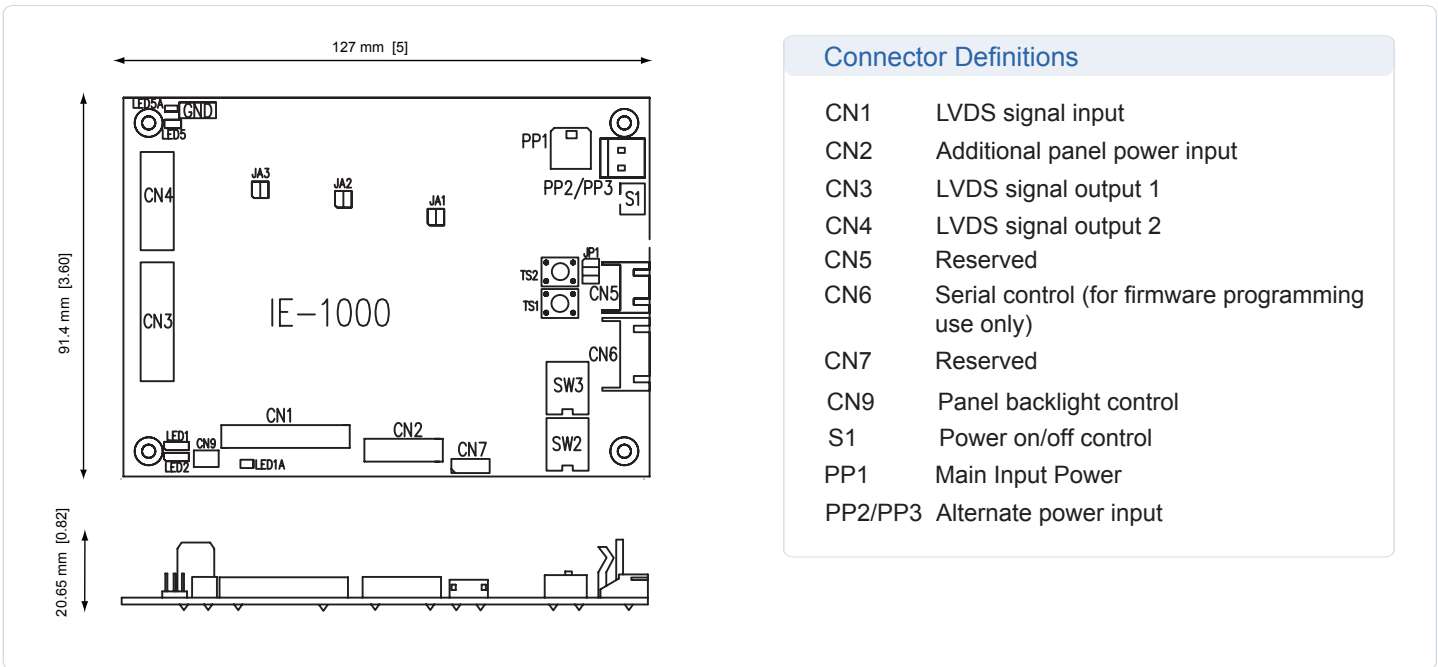
**Status Indicator:** On board LED status for power in and Signal.

### Reliability

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

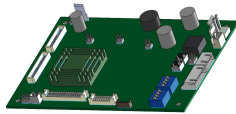
### System configuration





### 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)

### Available Documentation

- Instruction Manual
- Revision control documentation
- Schematic diagrams (Subject to NDA)
- Mechanical Drawings
- Serial Port Programming Manual\*\*

\* See accessories page on website for details.

\*\* Available upon request.

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