

SP-1600

VGA, PAL, DVI
Interface for TFT

FEATURES

- Supports VGA ~ UXGA in 4:3 format
- Supports 16:9 format panels up to WXGA
- Supports DVI, Video and Analog RGB inputs
- Functions display

OPTIONS:

- 2W per channel audio amplifier
- Infra-Red remote handset



INTRODUCTION:

The SP-1600 is a fully buffered multi-sync interface controller providing direct Analog and Digital connection to a wide range of TFT LCD panels up to UXGA resolution. Key features include a flexible port architecture that provides inputs for DVI, dual VGA channels, Composite, S-Video and Component video. Supporting a wide range of 4:3 and 16:9 format panels, the SP-1600 provides exceptional video performance via a new generation video controller.

SPECIFICATIONS

Panel Connectivity:

TFT: 1600x1200 1366x768, 1280x768, 1280x1024, 1024x768

Input

Analog RGB: 60Hz at WUXGA
75Hz at SXGA, WXGA, XGA, SVGA, VGA

Video: PAL, NTSC, Composite video, S-video, RGB video, Component video

With Auto detect of Digital Separate Sync, Sync-On-Green, Composite Sync. Auto detects VGA~UXGA interlaced & non-interlaced.

Reliability:

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

Colours:

Up to 8 bit per colour, ie 16.7 million colours.

Functions:

On Screen Display (OSD) menu.

Function Controls:

External Buttons, Serial Port control, I-R control Up/Down scaling to fit input to panel resolution.

Image Scaling:

Brightness, Contrast, RGB adjust, Colour Temperature.

Image Control:

OSD position, timeout, Factory reset, input source select.

Other features:

Dimensions:

179mm x 120.4mm.

Power Requirements:

12V DC, 10W (controller only).

Panel Power:

Supports 3.3V, 5V & 12V panels.

Panel Signal:

TTL & LVDS

Inverter Support:

DPMS Enable pin (5V or 12V).

Status Indicator:

Dual colour LED support