

ASPiSYS SF-550 RGB-RGsB to PAL/NTSC Video Encoder



The **SF-550** is an RGB to PAL/NTSC video and S-Video encoder designed for industrial video applications. Is especially useful for recording the signal from one of the video sources (such as cameras), that do not produce Composite PAL/NTSC video or S-Video signals. The color subcarrier is locked to the horizontal frequency using advanced phase locked loop techniques. Input signal bandwidth is maintained on both the composite and S-Video outputs. The SF-550 will auto detect (no-need to change any jumpers, etc.), the PAL or NTSC system and the required sync signal from input, allowing the Sync to also be applied as an external separate H-V or Composite Logic signal or can be present on the Green channel (SOG).

The unit is compatible with video sources that generate 0.714Vpp, interlaced or non-interlaced, analog RGB video and operate locking to horizontal frequency. Output will keep the scan format of the input. RGB inputs and the H-V Sync inputs are standard BNC connectors while the Composite video output is a female RCA and the S-Video output is a standard 4-pin mini-DIN type.

Power the SF-550 encoder with a 9-12VDC 300mA WALL PLUG transformer (optional, not included). The SF-550 can also be powered from a clean 12VDC negative ground source. A 100-240 volt universal power supply is also available as an optional part.

Board level versions (OSF-550B) are available for OEM applications.

Note: The video input of the SF-550, **MUST** have a horizontal frequency of **15.625KHz (PAL)** or **15.734KHz (NTSC)** +/-15Hz. If the RGB source has a horizontal frequency that is outside this range, the SF-550 will produce a B&W display on a monitor or no display at all. This is due to the exacting standards of the PAL/NTSC video system. SF-550 is **NOT** a video scaler or a line doubler. Many video sources such as RGB video cameras will have the correct frequency. However, you **MUST** check your equipment specifications **before** purchasing the SF-550. Thank you.

The SF-550 has two-year warranty

For technical support call us at
+30 210 7719544

or e-mail us at support@aspisys.com

SF-550

RGB to NTSC Video Encoder

RGB or RGSB to PAL/NTSC composite video and S-Video Converter

€ **CALL**
LIST PRICE

Option SPSU9

Optional Universal Switching Power Supply

100-240V, 47-63Hz, 9V DC 400mA

€**50⁰⁰**
LIST PRICE

ASPiSYS Ltd. Electronics Design

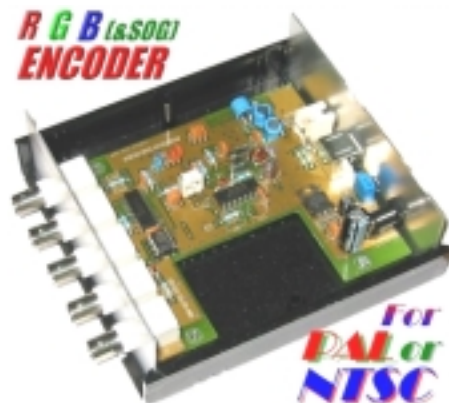
© 1998-2004 ASPiSYS Ltd, EU
All rights reserved. Specifications can change without notice.
rgb@aspisys.com
<http://www.aspisys.com>

ASPiSYS SF-550 specifications

<i>Input Signals</i>	<i>Red, Green, Blue with H&V Sync or CompSync or SoG</i>
<i>Input Levels</i> Video Sync	<i>0.714Vpp typical, 1.5Vpp max non-comp, at 75 ohm 5V TTL Negative polarity</i>
<i>Connectors</i>	<i>BNC Female (5)</i>
<i>Output Signals</i>	<i>Composite video (CVBS) and S-Video (YC)</i>
<i>Output Levels</i>	<i>1Vpp composite video typical into 75 ohm 1Vpp Y signal typical into 75 ohm 280mV C burst pulse typical into 75 ohm</i>
<i>Connector</i>	<i>RCA Female (1) CVBS – Mini Din 4-pin (1) S-Video</i>
<i>Modulation</i>	<i>R-Y and B-Y axes</i>
<i>Genlock</i>	<i>Combination Analog & Digital extraction - Synthesis</i>
<i>Sync</i>	<i>External H-V/Comp or Sync on Green (auto selectable)</i>
<i>Video System</i>	<i>PAL/NTSC</i>
<i>H Frequency</i>	<i>15.625KHz (PAL)/15.734KHz (NTSC) +/- 2Hz</i>
<i>V Frequency</i>	<i>50Hz (PAL)/59.95Hz (NTSC)</i>
<i>Chroma Frequency</i>	<i>Based at system specifications</i>
<i>Resolution</i>	<i>Greater than 420 lines (Y)</i>
<i>Temperature</i>	
Operating	<i>0 - 45 deg. C</i>
Storage	<i>-40 - 70 deg C</i>
<i>Humidity</i>	
Operating	<i>10% - 90% (non-condensing)</i>
Storage	<i>0% - 95% (non-condensing)</i>
<i>Power</i>	<i>+12VDC (9-15V) @ 300mA, negative grounded</i>
<i>Dimensions</i>	<i>154 x 129 x 47 mm (6" x 5" x 1.85")</i>
<i>Weight</i>	<i>293gr</i>



SF-550 Rear view



SF-550 inside view

ASPiSYS Ltd. Electronics Design

© 1998-2004 ASPiSYS Ltd, EU
 All rights reserved. Specifications can change without notice.
 rgb@aspisys.com
<http://www.aspisys.com>