

SD VideoConverter

New
SDVC

Universal Converter converts
between the formats
RGB, CVBS, YPbPr and S-Video

This converter converts video signals into various color coding schemes. With only one device, the following conversions can be achieved:

- RGB to SVideo and CVBS
- YPbPr to SVideo and CVBS
- SVideo to RGB and CVBS
- SVideo to YPbPr and CVBS
- CVBS to SVideo and RGB
- CVBS to SVideo and YPbPr

For this purpose, there are three input ports: a) three BNC for RGB and YPbPr, b) one BNC for CVBS and c) one Mini-DIN socket for S-Video. Which port shall be used as input can be selected with a push button. The other ports are then configured as outputs carrying their respective format. The configuration and status information is indicated with LEDs and is stored in an EEPROM (non-volatile memory).

The conversion is done in a digital way and is independent of any trimming values.

An RS-232 connector provides extensibility for custom designs.

The power supply can be in the range of 9..36 V and is galvanically isolated

- Converts RGB/YPbPr, CVBS, S-Video
- Supports PAL and NTSC
- Composite-Sync-Signals via Green or Y
- CVBS, RGB and YPbPr with BNC
- S-Video with 4-way Mini-DIN receptacle
- 9..36 V DC power supply
- Aluminum profile case
- Compact (105 x 105 x 30)mm³ (w/o connectors)



Application examples:

- Conversion camera data for display on a monitor
- Recording of RGB data on a PVR



Nickl Elektronik-Entwicklung GmbH
Eisackstraße 22 86165 Augsburg Germany
Tel +49/821/450344-0
Fax +49/821/450344-49


Elektronik-Entwicklung
www.nickl.de

Displays are our
business...

SD VideoConverter

hinter Data

General	Converter for converting PAL and NTSC signals. Converts between CVBS, S-Video, RGB and YPbPr. RGB to YPbPr and vice versa is not supported.
Conversion	RGB to SVideo and CVBS YPbPr to SVideo and CVBS SVideo to RGB and CVBS SVideo to YPbPr and CVBS CVBS to SVideo and RGB CVBS to SVideo and YPbPr
Video-Timing	PAL and NTSC
Interfaces	S-Video: 1 x Mini-DIN RGB/YPbPr: 3 x BNC CVBS: 1 x BNC Power: Phoenix header array, 2-pin: Phoenix 1937499 RS-232: 9-way Dsub Receptacle
Controls	Push button for configuring conversion, will be stored in an EEPROM
Power Supply	9..36 V DC, approx. 3W, galvanically isolated, connected via a 2-way strip terminal
Communication Interface	RS-232 optional, for custom designs, on request
Dimensions	(105 x 105 x 30)mm ³ without connectors
Weight	325 g
Scope of delivery	Converter, 2-way strip terminal Phoenix 1952267

Accessories

1EZKA-SVIDEO-2

Cable, 2 x 4-pin Mini-DIN connector on both ends,
L=2.0m

1EZKA-SVIDEO-5

Cable, 2 x 4-pin Mini-DIN connector on both ends,
L=5.0m

Accessories

1EMSDVC

Standard Definition (PAL: 720x576 + NTSC: 720x480)
video converter, converts CVBS, RGB(/YUV) and S-

- Further variants on request -

