



User's Manual

CVBS/S Video to VGA Converter



Product number: KN40512

Thank you for purchasing the converter from Kanaan.

We hold several brands to produce and distribute our products: **LEICKE** (power adapters, batteries), **Kanaan** (adapters/converters, charging cables etc.), **Sharon** (iPad cases with keyboard, fans etc.), **HEBRON** (protective cases, docking stations, screen protectors etc.), **MANNA** (notebook and smartphone cases).

We continuously work on the development of our products, our customer support and innovations. Our products have a long service life, are eco-friendly and high performing. Furthermore, every day we do our very best to satisfy you as our customer. That is why you, no matter if private or business customer, are in the focus of our company's efforts. We take your reviews and proposals seriously and evaluate them continuously. That way, we get to know you and your demands on our products and services better and thus allow for positive enhancements.

To discover more about LEICKE products, or if you have any questions about this product, visit our website www.leicke.com.

Dear customer,

our Composite Video to VGA Converter allows the connection of a composite video source to a standard display or TFT display with VGA input and may be used either at home or at work. The converter is quite small and has a menu for the adjustment of the output. You may use PAL, NTSC or SECAM video sources. A VGA signal from another source can also be looped in, so that you can use your display again with a PC in the future.

For optimum performance, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for further reference.

Your LEICKE Team!

PACKAGE CONTENTS

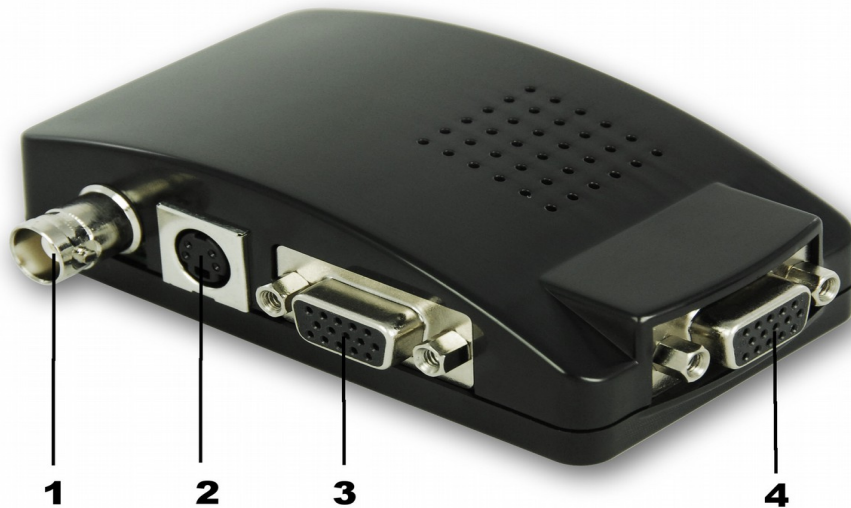
Before attempting to use this device, please check the packaging and make sure the following items are contained in the package:

Name	Number of Pieces	Note
Video to VGA converter	1	-
5 V/1 A power supply	1	plug type dependent on target country
S-Video connection cable	1	-

TECHNICAL DETAILS

Signal Input/Output	
Input	S-Video (S/W) and CVBS (BNC), PAL / SECAM / NTSC, VGA (Bypass)
Output	VGA, 800*600@60Hz to 1920*1200@60Hz
Connectors	
Input connector	S-Video and BNC, VGA
Output connector	VGA (SUB-D 15, female)
Supported Resolutions	800*600@60/75Hz , 1024*768@60Hz, 1280*1024@60Hz, 1280*720@60Hz, 1360*768@60Hz, 1440*900@60Hz, 1600*1200@60Hz, 1680*1050@60Hz, 1920*1080@60Hz, 1920*1200@60Hz
Dimensions	
(L x W x H)	110 x 56 x 36 mm
Environmental Specifications	
Operating Temperature	-25°C~50°C
Operating Humidity	10% to 75% RH
Power Requirements	
External Power Supply	5 V, 1 A
Power Consumption	Max. 5 W
Regulatory Approvals	
Converter Unit	CE, FCC, RoHS
Power Adapter	CE, FCC, CCC

CONNECTION DIAGRAM



- 1: Input Composite Video CVBS / BNC
- 2: Input S-Video
- 3: Output VGA
- 4: Input VGA

CONNECTION AND OPERATION

Step 1: Connect your video source, like camera, video recorder, game console etc., with the converter's input. The VGA input can be used to connect e.g. PCs or notebooks.

Step 2: Connect the VGA output with the output device. Please make sure, that the correct input of the display is adjusted. Also the display should support at least a resolution of 800x600 or the resolution you have adjusted.

Step 3: You may now use the converter. Connect the power supply and switch on the source device.

Step 4: If you use sources having another output than PAL (like SECAM or NTSC) you may adjust the standard in the menu by using the menu key. If the standards do not match, the image will be distorted or the colours will not be right.

Step 5: With the converters menu you may also adjust parameters like contrast, colours, brightness etc. to your wishes. The converter may now be used.

FAQ

In general, in case of technical troubles check the electrical signal connections and the power supply (LED at converter glows) first. If this turns out to be not helpful, we arranged the following questions and answers for you to find the cause and solve the problem.

Problem Description	Possible Cause/Possible Solution
The converters does not output an image.	<ul style="list-style-type: none">• Is the power supply / display properly connected? (You may test the function of the converter by choosing the menu. If this is shown, then the power supply and the connection to the display are all right.)• Is your video input switched on?• Are all the cables Video / VGA ok?• Was the right video standard chosen from the converter's menu?• Is the resolution of the converter too high or not compatible with the display?
The picture is distorted or displayed just black and white	<ul style="list-style-type: none">• Was the right video standard chosen from the converter's menu? PAL is the most frequent standard, French devices use SECAM and the USA use NTSC.• Is the video cable too long or not sufficiently shielded?• If you use the S video input die image output may be black and white.
The picture is unclear	<ul style="list-style-type: none">• Is the video cable too long or is a source with insufficient video output used?• You may adjust colour, contrast and brightness with the converter's menu.• Adjust the output resolution to the display resolution to have an optimal image output.

If the problems cannot be solved, please don't hesitate to contact us. Our customer's support will be glad to help you under info@leicke.com.

SAFETY NOTES

For your own safety and for long enjoyment of our product, please follow the following safety instructions:

- Please use device as described in the manual.
- To avoid damages to the video system by inrush current, please switch the amplifier/TV off before installing the converter. Non-compliance may cause damages to TV, amplifier system and your hearing! The amplifier is to be switched on last, after signal source and converter are already switched on.
- If the converter does not work normally, please disconnect the power adapter from the circuit and try to find the cause.
- Use original factory power adapter. Do not attempt to use the converter with other power adapters. Despite of matching plug connectors it may still damage the converter, the signal source and the sound system!
Warning: Power adapters with a higher voltage may damage the converter.
- Do not pull on power cord when taking off the wall socket.
- Turn off power when device is not in use for a longer time.
- Do not open cover and do not touch inner parts.
- Please keep power adapter and converter dry and just use in dry environment.
- Keep away from damp, high temperature, dusty, erosive and oxidative environment.
- Do not touch with wet hands.
- Keep safe from being hit or falling down.

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC-Caution: FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

Radiation Exposure Statement:

1. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users should follow the specific instructions in the user's manual to comply with the FCC rules.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

DISPOSAL



This device contains materials that must not be disposed of as household waste. Please check local laws concerning the applicable disposal regulations. Protect the environment by participating in recycling programs!

CONTACT

If you have any questions, please feel free to contact us.

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