



# User's Manual

## HDMI to Composite/S-Video Converter



Product Number: KN40507

# KanaaN

## **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 cases).

We continuously work on the further 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](http://www.leicke.com) and feel free to contact us.

*Dear customer,*

*This HDMI to Composite/S-Video Converter from our brand KanaaN is specially designed for either home or professional application. This converter enables you to connect HDMI devices like Blu-ray players, game consoles, receivers or PCs to an older TV device without HDMI interface via composite (cinch video, audio R/L) or S-video. This converter is small in size and quite easy to install.*

*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!*

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## 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                                  |
|--------------------------|------------------|---------------------------------------|
| HDMI Video Converter     | 1                | -                                     |
| 5 V/1 A power supply     | 1                | plug type dependent on target country |
| S-Video connection cable | 1                | 1.5 m for video signal only           |
| Cinch connection cable   | 1                | audio/video 1.5 m                     |

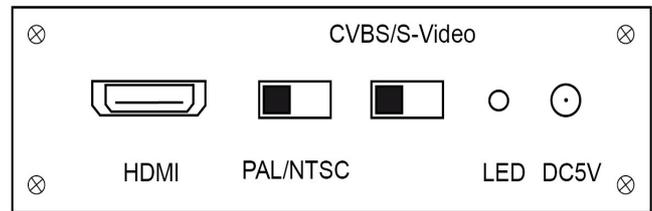
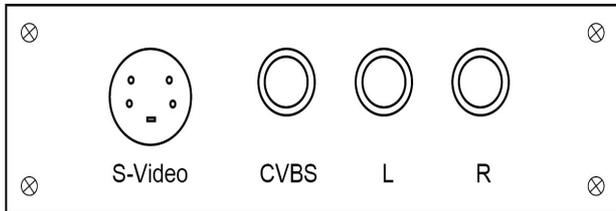
## TECHNICAL DETAILS

| Signal Input/Output          |  |
|------------------------------|--|
| Input                        | HDMI 480p (60Hz) / 576p (50Hz) / 720p (50/60Hz) / 1080i(50/60Hz) / 1080p (50/60Hz) |
| Output                       | Composite, S-Video   |
| Connectors                   |  |
| Input connector              | HDMI type A  |
| Output connector             | S-Video, 3x Cinch RCA (Composite/R/L)  |
| Bit Rate                     | 24 bit resolution  |
| Dimensions                   |  |
| (L x W x H)                  | 118 x 84 x 28 mm   |
| Environmental Specifications |  |
| Operating Temperature        | -25°C~75°C   |
| Operating Humidity           | 10% to 60% 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   |

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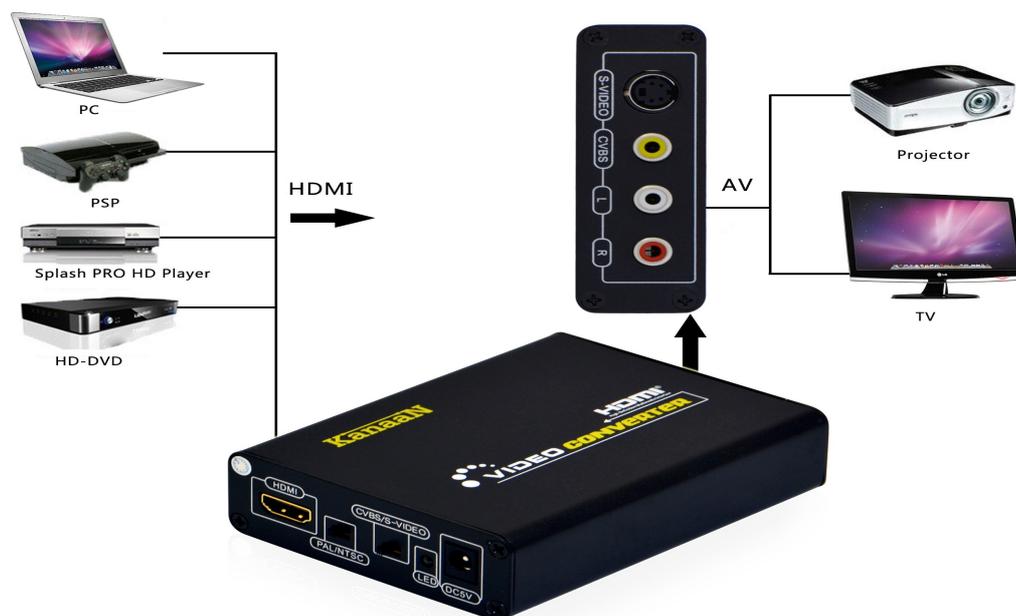
## PANEL DESCRIPTION

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power connector.



- S-Video : Output S-video signal
- CVBS : Output composite video signal
- L/R : Output stereo
- HDMI : Input HDMI signal
- PAL/NTSC : Switch video standard
- CVBS/S-Video : Switch video output
- LED : Display power supply
- DC5V : Port 5V/1A power supply

## CONNECTION DIAGRAM



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## CONNECTION AND OPERATION

**ATTENTION: To avoid damages to the video system by inrush current, please switch the amplifier/TV off before installing the converter!**

- Step 1:** Connect the HDMI input interface with a suitable source device, e.g. a hard disk recorder or with the output of a HDMI capable graphic board with the converter's input. An audio signal transmitted via HDMI may be used with the red/white cinch connectors, too.
- Step 2:** Please connect the analogue outputs with your TV device. Choose between a S-Video output (slightly higher signal quality) and a composite output.
- Step 3:** Set the CVBS/S-Video switch on the chosen video output type.
- Step 4:** Depending on the standard of your TV device, choose between NTSC or PAL with the slide switch. Please refer to the producer's specifications, whether your TV is a PAL or a NTSC device.
- Step 5:** Connect converter via power supply into the wall outlet. Now the HDMI source device and the TV may be switched on.

### Notes:

- *The converter has a HDMI type A input. Normally, a HDMI A cable is sufficient. Sometimes an adapter is needed for the output device. Please follow the corresponding instructions in the manual of the producer.*
- *The CVBS/S-Video and PAL/NTSC switches must be correctly adjusted before switching the devices on. If not, the converter will not work properly.*
- *The SECAM system which is standard in France, is not supported by this converter.*
- *After connecting the devices correctly, the converter may be turned on, best in the following order: 1) converter 2) HDMI source 3) TV.*

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## 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.

| <b>Problem Description</b>  | <b>Possible Cause/Possible Solution</b>   |
|---|---|
| <b>The converter does not display a picture or audio</b>          | <ul style="list-style-type: none"><li>• Is the power supply working (LED lights) properly?</li><li>• Is the TV set on the right input interface?</li><li>• Is the CVBS/S-video switch set on the right output? (Switch off device first!)</li><li>• Is the HDMI source set on the right output interface?</li><li>• Is a HDMI resolution used that is not supported by the converter?</li><li>• Is the HDMI cable too long?</li></ul> |
| <b>The picture is distorted or displayed just black and white</b> | <ul style="list-style-type: none"><li>• Is the CVBS/S-video switch set on the right output? (Switch off device first!)</li><li>• Is the PAL/NTSC switch set up on your TV device?</li><li>• Is your TV a SECAM device? (In this case, the TV does not support the converter.)</li><li>• Is the video cable too long or not sufficiently shielded?</li></ul>   |
| <b>The pictures stalls and /or there are picture errors.</b>      | <ul style="list-style-type: none"><li>• Is a HDMI standard used that is not supported by the converter?</li><li>• Is the HDMI cable too long or not sufficiently shielded?</li></ul>  |

**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](mailto:info@leicke.com).**

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## 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.

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## **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:

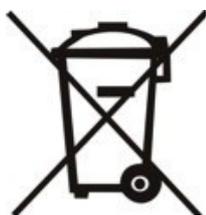
1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

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!

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## CONTACT

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

### PRODUCTION & WHOLESALE

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