

TVAC20000



User manual

Version 01/2010



Original English user manual. Keep for future use.

Introduction

Dear Customer,

Thank you for purchasing this product.

This product meets the requirements of the applicable European and national guidelines. The corresponding declarations and documents can be obtained from the manufacturer (www.abus-sc.com).

To maintain this condition and to ensure risk-free operation, you as the user must observe these operation instructions!

Before initial start-up, read through the complete operating instructions observing operating and safety instructions.

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All rights reserved.**

If you have any questions, please contact your installer or your local dealer!



Disclaimer

This user manual was prepared with greatest care. If you should notice omissions or inaccuracies, please inform us about these on the back of this manual given address.

The ABUS Security-Center GmbH assumes no liability for technical and typographical faults and reserves the right to make at any time modifications to the product or user manual without a previous announcement.

The company is not liable or responsible for direct and indirect subsequent damages which are caused in connection with the equipment, the performance and the use of this product.

No guarantee for the content of this document is taken.

Icon explanation



A flash in the triangle is used if there is danger for the health, e.g. by an electric shock.



An exclamation mark in the triangle points to an important note in this user manual which must be minded.



This symbol can be found when you are to be given tips and information on operation.

Important safety advice



The warranty will expire for damage due to non-compliance with these operating instructions. ABUS will not be liable for any consequential loss!



ABUS will not accept liability for damage to property or personal injury caused by incorrect handling or non-compliance with the safety-instructions. In such cases the warranty will expire.

The device has been manufactured in compliance with international safety standards. Please read these safety advices carefully.

Safety advice

1. Mains supply
90 - 250V AC 50/60Hz
Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company. Disconnect the product from the mains before you start any maintenance or installation procedures.
2. Overloading
Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.
3. Liquids
Setup the device only in dry and dust-protected rooms. Protect the device from any kind of liquids entering.
4. Cleaning
Disconnect the product from the wall outlet before cleaning. Use a light damp cloth (no solvents) to dust the product.
5. Ventilation
The slots on top of the product must be left uncovered to allow proper airflow into the unit. Do not stand the product on soft furnishings or carpets. Do not stack electronic equipments on top of the product.
6. Accessories
Do not use any unsupported accessories as these may be hazardous or cause damage the product.
7. Location
 - Setup the device only in dry and dust-protected rooms.
 - Protect the device from any kind of liquids entering.
 - Do not place the device near a radiator or heat register.
 - Setup the device only in areas with the advised operating temperatures of 0° ~ 50°C.

Warnings

Follow all safety and operating advises before starting-up the device!

1. Follow these directions in order to avoid damage of the power cord or plug:
 - Do not modify or process the power cord or plug arbitrarily.
 - Do not bend or twist the power cord.
 - Make sure to disconnect the power cord holding the plug.
 - Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
2. Follow these directions. Failure to follow any of them may cause electrical shock:
 - Do not open the main body or the power supply.
 - Do not insert metal or inflammable objects inside the product.
 - In order to avoid any damage during lighting use a surge protection.
3. Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused to it. Make sure to contact your local product distributor if the product is out of order.



During the installation into an existing video surveillance system make sure that all devices are disconnected from the low and supply voltage circuit.



If in doubt allow a professional electrician to mount, install and wire-up your device. Improper electrical connection to the mains does not only represent a threat to you but also to other persons.

Wire-up the entire system making sure that the mains and low voltage circuit remain separated and cannot come into contact with each other in normal use or due to any malfunctioning.

Unpacking

While you are unpacking the device please handle it with utmost care.



If you notice any damage of the original packaging, please check at first the device.
If the device shows damages, please contact your local dealer.

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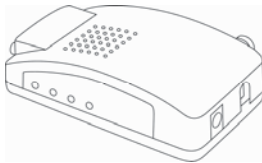
1. Intended use

This converter attends to convert a Composite- and S-Video signal into a VGA signal. You have the possibility to use a recorder or camera (B/W and color cameras) with a composite output together with a monitor that has a VGA input.

You also have an additional VGA input to convert this signal into a higher resolution or to switch between the analogue video input and a VGA signal (e.g. of a PC).

A detailed description of all functions can be found in chapter „3 Features and functions“.

2. Scope of delivery



BNC-VGA converter



Power supply



VGA cable

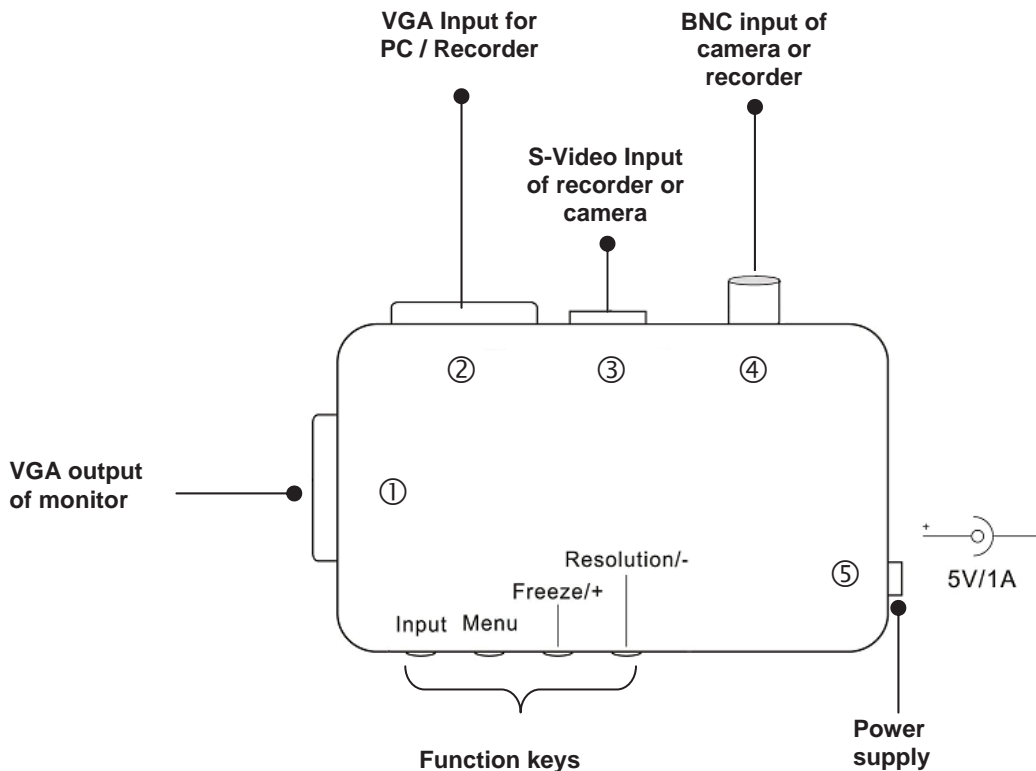


S-Video cable

3. Features and functions

- Converts BNC or S-Video signal into a VGA signal
- Max. resolution 1280 x 1024 pixel (SXGA)
- Image freeze function
- Manual switching between input signals
- Plug & Play

4. Physical descriptions



Description of the connectors:

①	VGA Output	Output of the converted signal into VGA
②	VGA input	Recorder or PC signal input
③	S-Video input	Y/C Video signal input
④	BNC input	Composite video signal input (BNC, female, FBAS, 1 Vpp)
⑤	Power supply	5VDC / 1A

Description of the function keys:

Input	Selection of the input signal. At the left top the actual input is shown. You can choose between following inputs: S-Video, VGA and CVBS (BNC)
Menu	By pressing this button you enter the menu. If you press the button several times you can switch between the menu items. You can do adjust following settings: Bright= Brightness Contrast Color Hue For all menu points you can adjust the value in a range between 0 and 99.
Freeze / +	During the normal mode you can freeze the picture by pressing this button. If you press the button again you can switch to live view. In the menu you can increase the value by pressing this button. If you press it for longer time you can increase the value faster.

Resolution / -	<p>By pressing this button you can choose the resolution. By pressing this button several times you can switch between the different resolutions.</p> <p>You can choose between following resolutions:</p> <p>800x600 Pixel @ 60Hz 800x600 Pixel @ 75 Hz 1024x768 Pixel @ 60 Hz 1280x1024 Pixel @ 60 Hz</p> <p>Many monitors have an automatic adjusting function therefore it can take some seconds that the picture calibrates.</p> <p>In the menu you can decrease the value by pressing this button. If you press it for longer time you can decrease the value faster.</p>
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5. Maintenance and cleaning

5.1 Maintenance

Regularly check the product's physical state, e.g. check for damage of the housing.

If you suspect that safe operation cannot be guaranteed anymore, disconnect the product and ensure that it cannot be used by mistake.

You can assume that safe operation is not possible anymore when

- the device shows visible damage,
- the device does not function anymore



Please note:

The product is maintenance free for you. Inside the product are no parts that can be checked or repaired, so do not ever open it.

5.2 Cleaning

Wipe the product with a clean, dry cloth. If the device is very dirty, you can moisten the cloth with lukewarm water.



Ensure that no liquids can get into the device.
Do not use any chemical cleaners, since they could damage the housing surface or the screen (discolorations).

6. Disposal



Devices with this marking should not be put in the household garbage. Dispose of the product at the end of its lifetime according to the applicable regulations.

7. Technical data

Typenumber	TVAC20000
Inputs	1x BNC (FBAS, 1 Vpp), 1x S-Video, 1x VGA
Outputs	1x VGA
Resolution	800x600 Pixel @ 60Hz 800x600 Pixel @ 75 Hz 1024x768 Pixel @ 60 Hz 1280x1024 Pixel @ 60 Hz
Video system	PAL / NTSC
Impedance	75 Ω
Power supply	5VDC / 1A
Dimensions (WxHxD)	105 x 65 x 24 mm

