

HDTV Converter

User Manual

UD.6L0203D1188A01

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Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

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

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

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the

applicable harmonized European standards listed under the Low Voltage Directive 2014/35/EU, the EMC Directive EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Preventive and Cautionary Tips

- While using this product, you must be in strict compliance with the electrical safety regulations of the nation or region.
- Please use the power adapter, which is provided. The standard of the power adapter is 12 VDC/1A.
- Please disconnect the power supply before installation.
- If the product does not work properly, please contact your dealer or technical support. Never attempt to disassemble the item yourself.
(Securitytronix shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)
- If smoke, odors or noise arise from the device, turn off the power at once and unplug the power cable, then please contact technical support.
- Do not drop the equipment or subject it to physical shock, and do not expose it to high electromagnetic radiation. Avoid installing the equipment on surfaces or places subject to shock (ignoring this may cause equipment damage).
- Do not place the equipment in extremely hot, cold, dusty, or damp locations, fire or electrical shock may occur.

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- The equipment shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or a heat source such as space heater or radiator is forbidden (ignoring this can cause a fire hazzard).
- Please use a soft and dry cloth when cleaning the inside and outside surfaces of the equipment, do not use alkaline detergents.
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Chapter 1 Introduction

1.1 Overview

The TVI-VC converts the HDTV signal to an HDMI signal. It supports all HDTV video resolutions, and 1-ch HDTV loop out.

1.2 Available Model (s)

TVI-VC

1.3 Features

- 1-ch HDTV input, 1-ch HDTV loop out, and 1-ch HDMI output.
- Supports all HDTV standards, including V2.0 video standard.
- Converts HDTV video signal.
- Lossless and uncompressed transmission.
- Wide range of operational temperatures
- Up to 100000 hours life span

1.4 System Connection

Refer to the following figure for a typical system configuration.

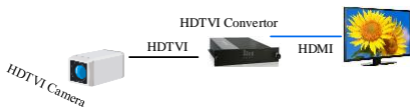


Figure 1. 1 Typical System Connection

Chapter 2 Panel and Installation

2.1 TVI-VC Panel

- **Front Panel:**

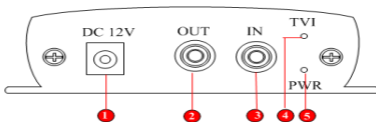


Figure 2. 1 Front Panel

Table 2. 1 Front Panel Description

| No. | Name | Description |
|-----|----------------------------|--|
| 1 | Power | 12V DC |
| 2 | BNC | 1-ch HDTV1 video output |
| 3 | BNC | 1-ch HDTV1 video input |
| 4 | Video Source LED Indicator | Lights in green when the video input is normal |
| 5 | Power LED Indicator | Lights in red when the device is powered on |

- **Rear Panel:**

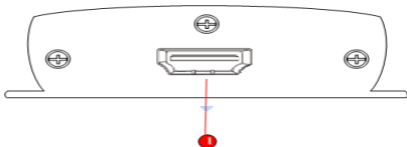


Figure 2. 2 Rear Panel

Table 2. 2 Rear Panel Description

| No. | Name | Description |
|-----|------|------------------|
| 1 | HDMI | 1-ch HDMI output |

2.2 Installation

- Check the device packaging and appearance.
- Read the user manual and pay attention to the preventive and cautionary tips.
- Check the device and the quantity of accessories according to the packing list after opening.
- Check whether all the articles are intact or not. If any abnormal conditions are observed, contact technical support right away.
- Ensure the input/output cables are connected properly.
- The device can be mounted to a wall if so desired.

Chapter 3 Specification

| Model | TVI-VC (HDTV Converter) |
|-------------------------------|--|
| Physical Interface | BNC, HDMI |
| Input Level | > 500 mVp-p |
| Output Format | HDMI 1.4b, "A" standard interface |
| Input Auto Cable Equalization | 1080p, 720p, 100M75-5 cable input for 328' |
| Input Format | 1080p 25/30, 720p 25/30/50/60, compatible with V2.0 HDTV |
| Input Impedance | 75 Ω |
| Output Resolution | 720p 50/60, 1080p 50/60 |
| Output Format Distance | HDMI 1.4b, D-type base, 10 meters |
| LED | Power LED, video source LED |
| Power Supply | 12 VDC, 1A |
| Power Consumption | \leq 8 W |
| Working Humidity | 10 % to 90 % |
| Working Temperature | -30 °C to + 75 °C (-22 °F to 167 °F) |
| Dimensions (W×D×H) | 50 mm × 30 mm × 25 mm (1.97" × 1.18" × 0.98") |
| Mounting Type | Independent |