

CM-398

CV/SV to PC Converter Box

Operation Manual



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• **Trademark Acknowledgments**

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• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

| <u>Version No</u> | <u>Date</u> | <u>Summary of Change</u> |
|-------------------|-----------------|----------------------------|
| V1 | 20100224 | Preliminary Release |

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1. Introduction

This is a low cost video to PC converter box that can convert CV/SV (NTSC or PAL system) to XGA, SXGA and UXGA resolutions. It also allows you to view DVD, VCR or video game sources on your PC display.

2. Applications

- Digital camcorders and personal PDAs
- PCI/USB based video capture and TV tuner cards
- Personal media players and recorders
- Smartphones & multimedia handsets

3. Package Contents

- CV/SV to PC converter Box
- DC Adaptor
- Operation Manual

4. System Requirements

Input source devices with S-Video output or with a converter cable to S-Video and output to a PC display with a D-Sub 15pin connection cable.

5. Features

- Operates in NTSC 3.58 and PAL system
- Output Frame Rates: 60Hz
- High Quality Scaling Engine
- Supported output resolutions: XGA, SXGA and UXGA
- 50/60 Hz frame rate conversion ensures glitch-free display
- Play video games on your VGA monitors
- High-resolution output picture
- Plug & play- no driver software required

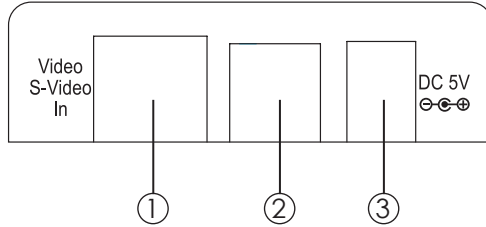
6. Specifications

| | |
|-----------------------|---|
| Input Ports | 1 x CV, 1 x SV |
| Output Port | 1 x VGA |
| Output Resolution | XGA, SXGA and UXGA |
| Power Supply | 5V/1A DC (US/EU standards, CE/FCC/UL certified) |
| Dimensions (mm) | 100(W) x 64(D) x 26(H) |
| Weight(g) | 100 |
| Chassis Material | Plastic |
| Silkscreen Color | White |
| Operating Temperature | 0°C ~ 40°C / 32°F ~ 104°F |
| Storage Temperature | -20°C ~ 40°C / -4°F ~ 140°F |
| Relative Humidity | 20~60% RH (non-condensing) |
| Power Consumption | 2.5 W |

7. Operation Controls and Functions

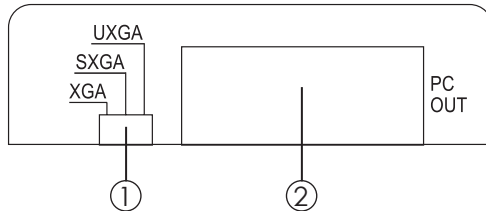
The following sections describe the hardware components of the unit.

7.1 Front Panel



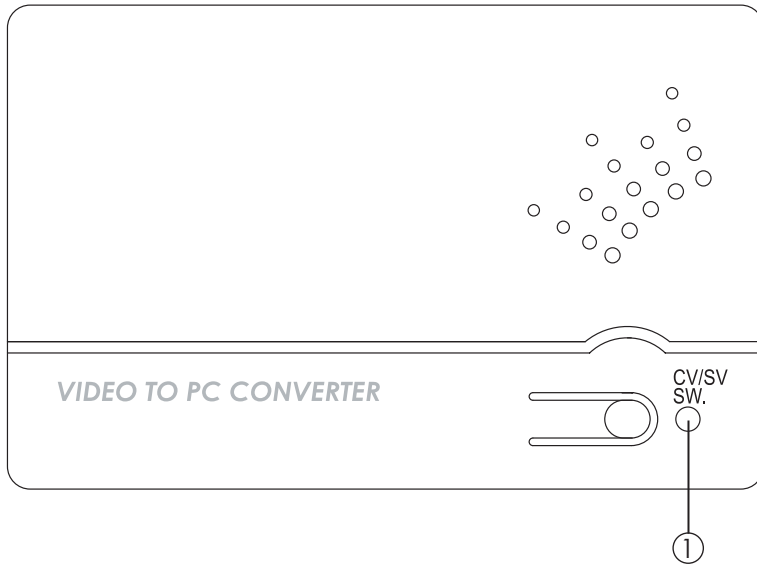
- ① S-Video input: This slot is where you connect the input source, such as a digital camcorder or a PDA with an S-Video cable in order to send an input signal.
- ② Composite (CV) input: This slot is where you connect the input source such as a personal media player or personal recorder with a CV cable in order to send an input signal.
- ③ DC 5V In: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

7.2 Rear Panel



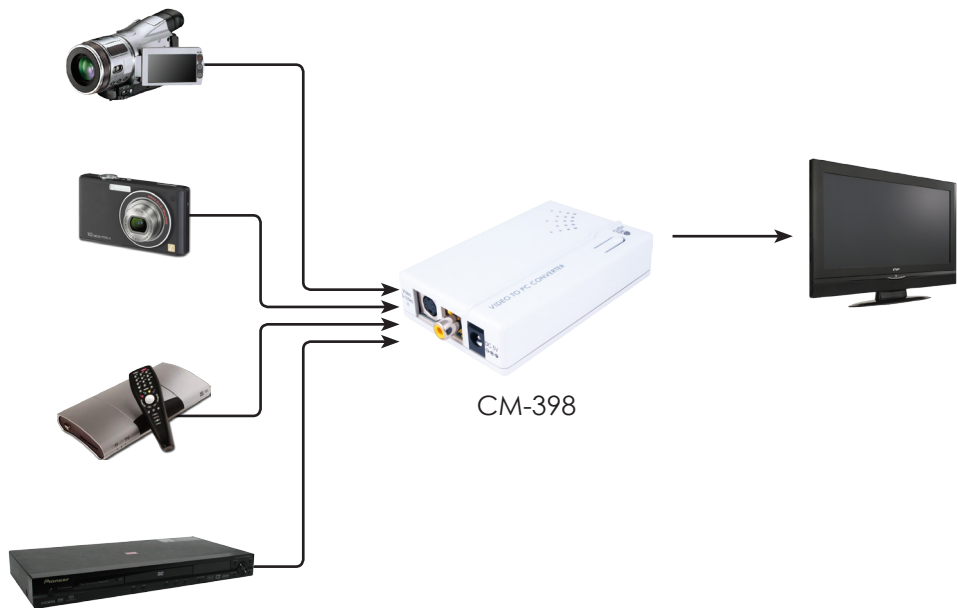
- ① XGA/SXGA/UXGA switch: This dip switch allows you to set the output timing to XGA, SXGA or UXGA. Simply push the dip switch to left, middle or right and the output image will display your desired timing.
- ② PC OUT: This slot is where you connect the output display with a D-Sub 15pin cable for image display.

7.3 Top Panel



- ① CV/SV SW & LED: Press this button to switch the input source between composite or S-Video. The LED will turn yellow when switched to composite input and will switch to red when changed to S-Video input.

8. Connection and installation





Acronyms

Acronym

Complete Term

| | |
|------|--------------------------------------|
| NTSC | National Television System Committee |
| PAL | Super Extended Graphics Array |
| SXGA | Phase Alternate Line |
| UXGA | Ultra Extended Graphics Array |
| XGA | Extended Graphics Array |



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