



User Manual

ATLONA COMPOSITE AND S-VIDEO TO COMPONENT OR VGA SCALER/CONVERTER AT-AVS100



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INTRODUCTION

The Atlona AT-AVS100 is a great little tool which allows Composite Video or S-Video to be converted and scaled to either Component Video or VGA. The AVS100 is capable of scaling anything that comes in to Component video resolution from 480p to 1080p and VGA resolutions from 640x480 to 1600x1200. The VGA to Component Video Cable is included for component video use.

The Atlona device is fully universal, which means that it can take either NTSC or Pal signal and therefore will work perfectly anywhere in the world.

APPLICATIONS

- Residential Installations: There are many applications where residential installers use component video matrix switchers to route all video signals; however there are many sources still left which use composite or s-video interface. The AT-AVS100 will allow installer to route Security Camera's, VHS Players, Laser Disc though the component video switcher.
- Security Application: Most security cameras on the market today are using Composite Video Interfaces; however most computer displays are VGA. The AVS100 will fit perfectly into this environment as it would be able to convert signal from a security camera to show up on the computer display.

PACKAGE CONTENTS

- AT-AVS100 – the converter
- Universal Power Supply
- Instructions Manual
- VGA to Component Video Cable

FEATURES

- Perfect for scaling Composite Video or S-Video signals to Component Video or VGA
- Supports high resolution output
 - VGA resolutions: XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200)
 - Component resolutions: 480p/576p, 720p and 1080p
- 3D (frame based) motion adaptive YNR/CNR noise reduction technology
- Advance de-interlacing technology, which will allow better image quality.
- Supports 2:2 & 3:2 film mode detection

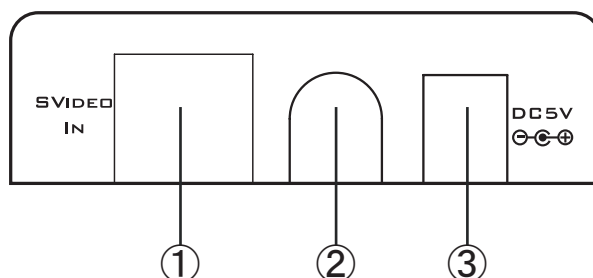
SPECIFICATIONS

Input port	1 x Composite Video (RCA); 1 x S-Video
Output port	1 x HD15 (supports Component and VGA)
Output Resolution	PC: XGA/SXGA/UXGA Component: 480p/576p/720p/1080p
Power Supply	5VDC/1A (110/240)
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 4\text{kV}$ (contact discharge)
Dimensions (inch)	2.5(W) x 4.4(D) x 1.02(H)
Weight (lb)	0.5
Operating Temperature	$0^{\circ}\text{C}\sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$
Storage Temperature	$-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$
Relative Humidity	20~90% RH (no condensation)
Power Consumption (W)	2.5W (Maximum Load)

OPERATION CONTROLS AND FUNCTIONS

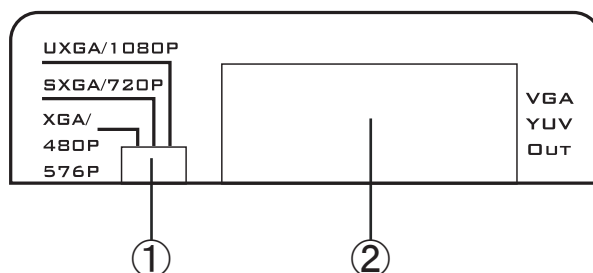
The following sections describe the hardware components of the unit.


6.1. Left Side Panel



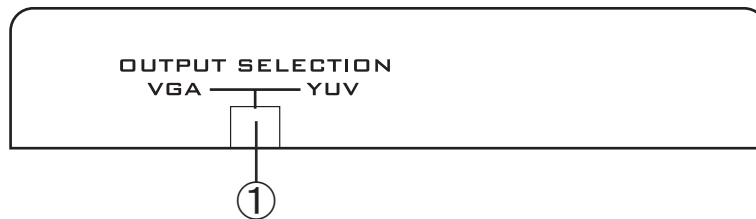
1. S-Video input (SV): Connect the source with S-Video interface here.
2. Composite (CV) input: Connect the source with composite video input here.
3. DC 5V In: Connect 5V supplied power supply here.

6.2. Right Side Panel



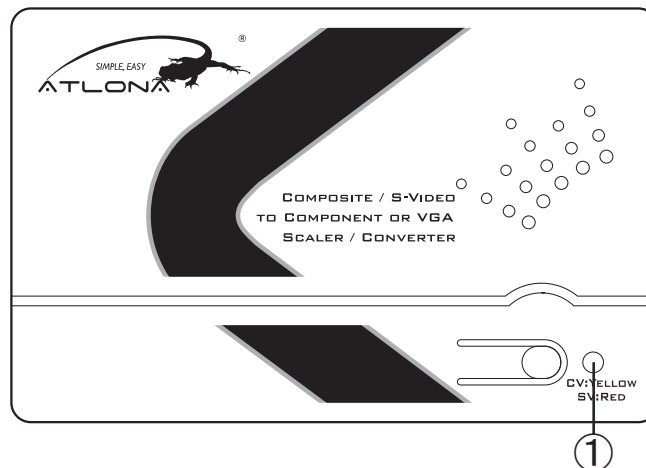
1. Output resolution switch: This dip switch allows user to set PC/Component output Timing to PC resolution: XGA/SXGA/UXGA or Component resolution: 480p/576p/720p/1080p. Simply push the dip switch to left, middle or right and the output image will display your desired resolution. For PC/Component timing selection please refer to Section 6.3 Front Panel.
2. PC OUT: Connect VGA Cable to a VGA Display or VGA to Component Cable to a Component Display 

6.3. Front Panel



1. PC/HD switch: This dip switch allows user to select PC or component HD output. Simply slide the dip switch to left or right and the output mode will display your desire selection.

6.4. Top Panel



1. CV/SV: Press this button to switch input source between composite or S-Video. The Led will illuminate in yellow when switch to composite input and red when switch to S-Video input.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product — we hope you'll enjoy it.

We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.

To register go to www.atlona.com/registration

CONNECTION DIAGRAM



SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-AVS100. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

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