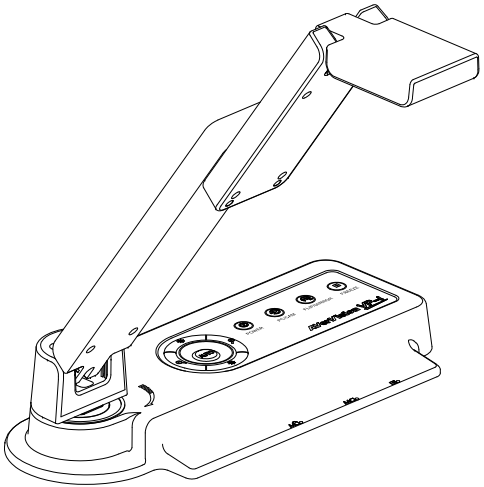
AVerMedia® AVerVision VP-1

User Manual



AVerMedia®

Interactive Visualizer

P/N 300AP0G1-C3R
Made in Taiwan

FCC NOTICE (Class A)

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Federal Communications Commission Statement

NOTE- 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 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 tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more 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/television technician for help.

Class A ITE:

Class A ITE is a category of all other ITE which satisfies the class A ITE limits but not the class B ITE limits. Such equipment should not be restricted in its sale but the following warning shall be included in the instructions for use:

Warning - This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CE Class A (EMC)

This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2004/108/EEC.

Warning - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to correct this interference.

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Introduction

Thank you for purchasing the AVerMedia® AVerVision VP-1. This document camera displays documents, transparencies and 3D objects onto a TV, LCD or DLP projector making presentations a snap.

AVerVision VP-1 is an ideal presentation tool for business, academic, medical and the scientific community.

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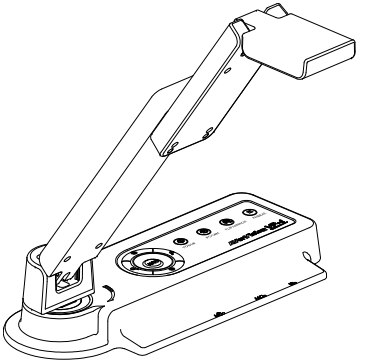
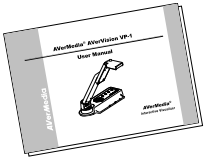
Package Contents

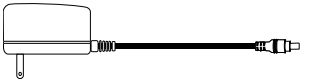


AVerMedia® AVerVision VP-1

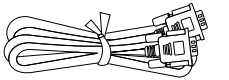


User Manual

RCA Cable



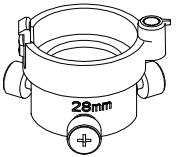
Power Adapter



RGB Cable (VGA Cable)

* The power adapter will vary depending on the country where it is sold.

Optional Accessories



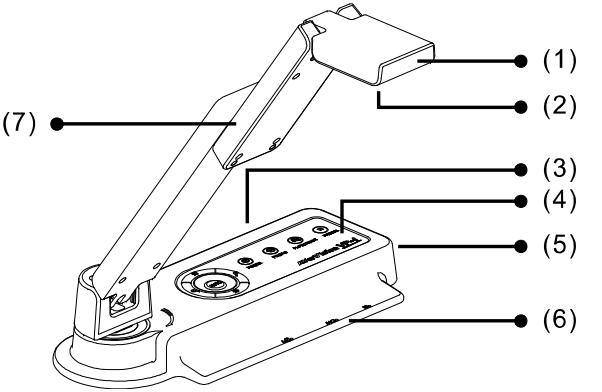
28mm Microscope Adapter

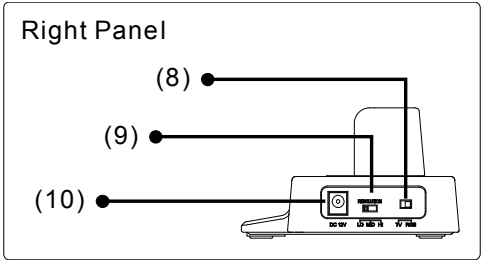
Bag

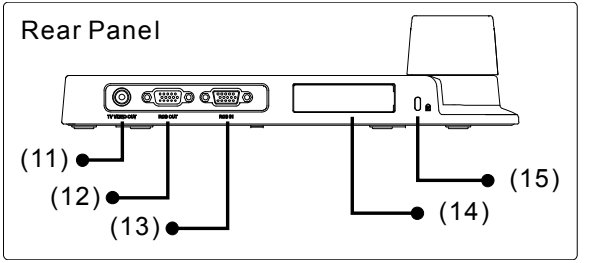
AVerVision VP-1 Parts

The illustrations below identify the parts of AVerVision VP-1.

(1) Camera head
(2) Camera lens
(3) Rear panel
(4) Control panel
(5) Right panel
(6) Paper guide
(7) Arm
(8) TV-RGB switch
(9) Resolution switch
(10) DC 12V port
(11) Composite video output port
(12) RGB output port
(13) RGB input port
(14) Label slot
(15) Antitheft slot







Technical Specifications

Image

Sensor	1/4" CMOS color image sensor
Total Pixels	2 Mega Pixels
Frame Rate	15 fps (max.)
Analog RGB output	800 x 600; 1024 x 768; 1280 x 960

Optics

Lens	F 2.8; fl=3.41mm
Focusing	Auto
Shooting Area	340mm x 255mm (max.)
Zooming	Digital Zoom: 8X

Power

Power Source	100-240V, 50-60Hz
Consumption	7.8 Watts

Input/Output

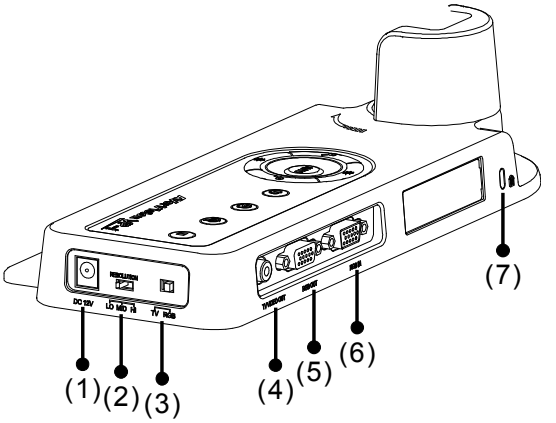
RGB Input	15-Pins D-sub (VGA)
RGB Output	15-Pins D-sub (VGA)
Composite Video	RCA Jack
DC 12V Input	Power Jack

Dimension

Operating	275mm x 114mm x 360mm
Folded	275mm x 114mm x 70mm
Weight	1.2 kg (about 2.64 lb)

Making the Connections

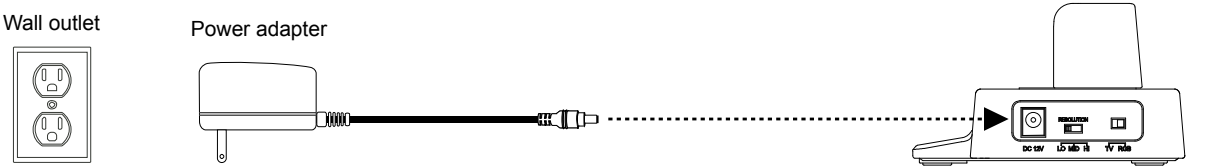
The ports on the rear, and right panel of VP-1 enable you to connect the unit to a computer, graphics display monitor or LCD/DLP projector, TV or other device. Illustrated below are the ports and switches that are located at the rear, and right panel of VP-1 with their corresponding labels.



Port	Description
(1) DC 12V	Connect the power adapter into this port.
(2) Resolution Switch	Switch the RGB output resolution to 800x600 (LO), 1024x768 (MID) and 1280x960 (HI).
(3) TV-RGB Switch	Switch to output display video either from TV VIDEO OUT, or RGB OUT port.
(4) TV VIDEO OUT (RCA/Composite)	Output the signal from the camera on TV or Video equipment.
(5) RGB OUT	Output the signal from the camera, or RGB IN port on a VGA/Mac monitor or LCD/DLP projector.
(6) RGB IN	Input the signal from a computer or other sources and pass it through to the RGB OUT port only. Connect this port to the VGA output port of the computer.
(7) Antitheft Slot	Attach a Kensington compatible security lock or antitheft device.

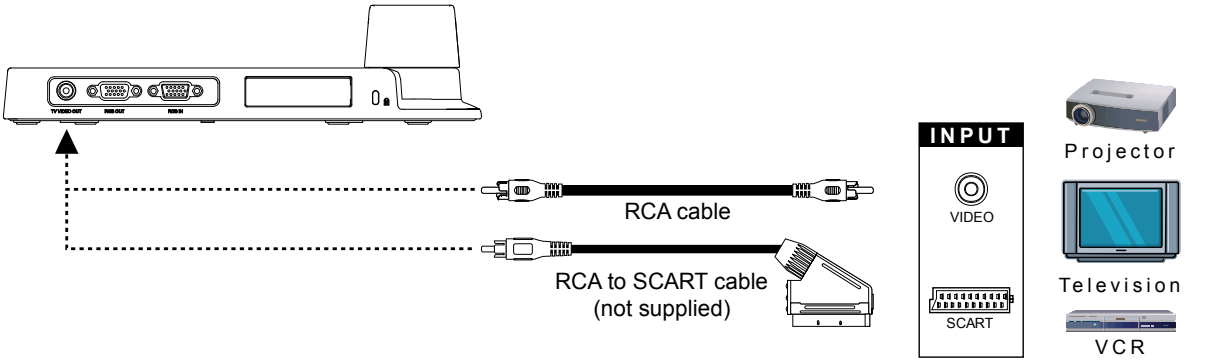
Connecting the Power Adapter

Connect the power adapter to a standard 100V~240V AC power source.



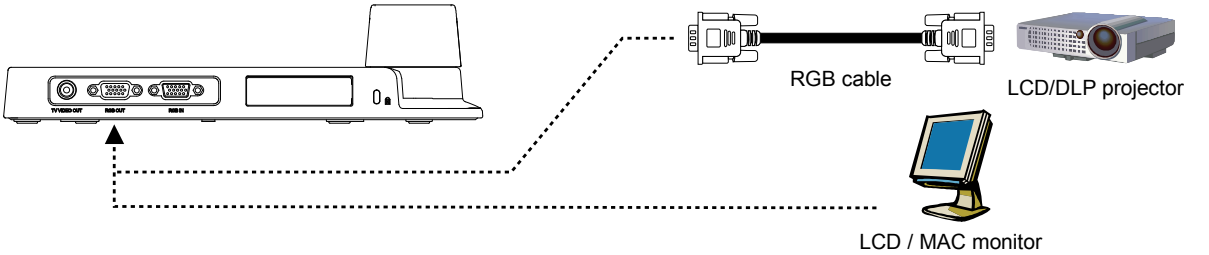
Connecting a TV

Locate the VIDEO, or SCART input port of the TV or Video equipment (i.e., VCR) to record your presentation on a videotape and connect it to TV VIDEO OUT port of VP-1. If you are not sure, please refer to the user manual of the TV or Video equipment. Make sure the TV/RGB switch is set to TV.



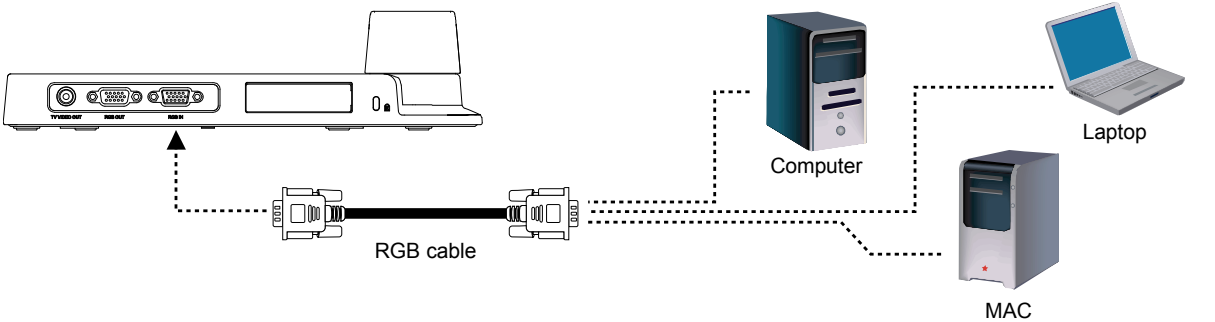
Connecting a RGB, Mac Display Monitor or LCD/DLP Projector

Locate the RGB input port of the display device and connect it to RGB OUT port of VP-1. If you are not sure, please refer to the user manual of the device. Make sure the TV/RGB switch is set to RGB.



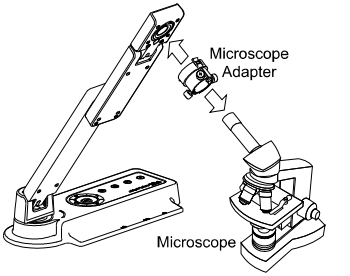
Connecting an IBM Compatible PC or Macintosh Computer

Locate the VGA output port of the computer or laptop to display your PC presentation on screen and connect it to RGB INPUT port of VP-1. The video signal from the RGB IN port is streamed to RGB OUT port and displayed on the screen.



Connecting to a Microscope

Connecting the VP-1 to a microscope enables you to examine microscopic objects on a big screen without straining your eyes.

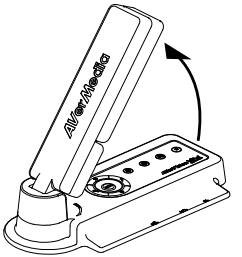


Setting Up AVerVision VP-1

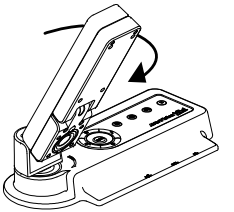
This section provides useful tips on how to setup the VP-1 to meet your needs.

Unfolding the Unit

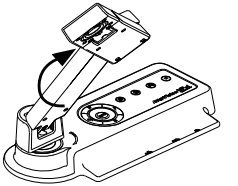
Follow the step by step procedure below to setup the unit.



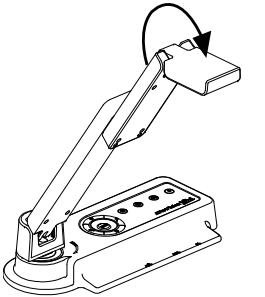
(1) Unfold the arm.



(2) Turn 90° to the left.



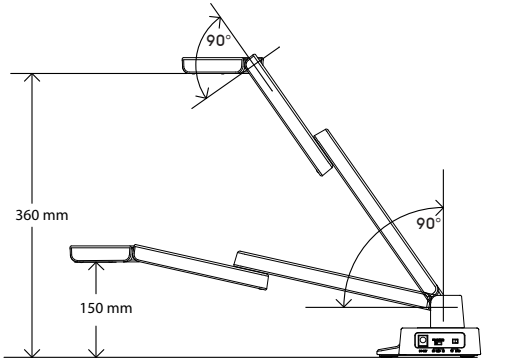
(3) Swivel up to the left.



(4) Fold the camera down.

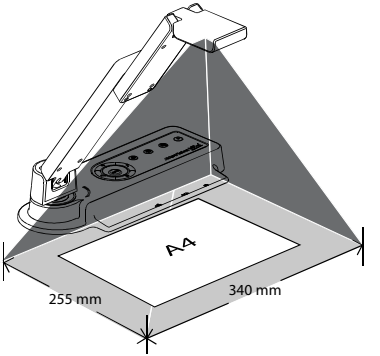
Operating Height & Angle

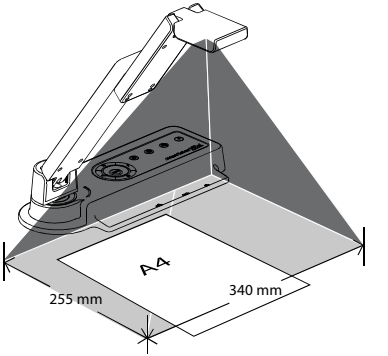
The approximate height of the arm should be 360mm and angled at 55° to display a A4 size landscape document.



Paper Guide

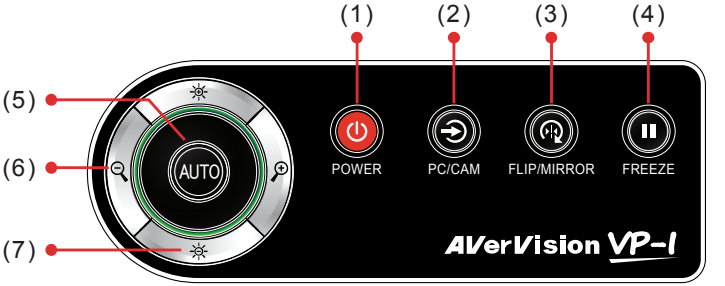
The A4 paper marks serve as a guide for placing the A4 document under the camera. The approximate shooting area of VP-1 is 340mm x 255mm.





Touch Button Control Panel

The touch button control panel located on the top side of the VP-1 provides quick access to commonly used functions.



Function	Description
(1) POWER	Turn the unit on/standby. To turn off, press hold POWER button for 5 sec.
(2) PC/CAM	Switch between Camera and PC mode. - Camera mode displays the video signal from the built-in camera. - PC mode displays the video signal from the RGB IN port of VP-1.
(3) FLIP/MIRROR	Flip the image vertically, horizontally, rotate by 180°, and then return to normal view in camera mode only.
(4) FREEZE	Toggle to pause or resume the camera.
(5) AUTO	Automatically adjust the focus and set the white balance.
(6) Zoom	Digitally zoom in and zoom out the picture up to 800%.
(7) Gain	Make image brighter or darker.

Control Panel Light Color

The LED on the control panel of VP-1 indicates the status of the unit.

Status / Output	Power Up	Power On	Freeze	Standby	PC Mode
TV	Red (Flash)	Orange	Orange (Flash)	Red	N/A
RGB	Red (Flash)	Green	Green (Flash)	Red	Red

Troubleshooting

This section provides many useful tips on how to solve common problems while using the VP-1.

There is no picture on the presentation screen.

1. Check all the connectors again as shown in this manual.
2. Check the on/off switch of the display output device.
3. Verify the setting of the display output device.
4. If you are presenting from a notebook or computer through the display output device, make sure the visualizer is in PC Mode. For notebook, repeatedly press FN+F5 to toggles between monitors and display the computer image on the presentation screen.

I have set up the VP-1 and checked all the connections as specified in the manual but I cannot get a picture on the preferred presentation screen.

1. Check the LED light status. Red means the unit is in standby mode. Press the POWER button to turn the unit on and the LED light will turn green (RGB output) or orange (TV output). .
2. Check the output resolution switch setting. The resolution switch is set to 1024x768 (M) by default. If your output device does not support this resolution, please change the resolution switch to the supported resolution of your display device.
3. If your display output device is TV or any analog device, please set the TV-RGB switch to TV.

The picture on the presentation screen is distorted or the image is blurry.

1. If you discover that the image is blurry or out of focus, just press AUTO to automatically adjust the focus and white balance.

2. If the presentation screen is a bit dim or too bright, use the Gain up and down button on the control panel to adjust the visibility of the image.

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For a period of time beginning on the date of purchase of the applicable product and extending as set forth in the "**Warranty Period of AVerMedia Product Purchased**" section below, AVerMedia Information, Inc. ("AVerMedia") warrants that the applicable product ("Product") substantially conforms to AVerMedia's documentation for the product and that its manufacture and components are free of defects in material and workmanship under normal use. "You" as used in this agreement means you individually or the business entity on whose behalf you use or install the product, as applicable. This limited warranty extends only to You as the original purchaser. Except for the foregoing, the Product is provided "AS IS." In no event does AVerMedia warrant that You will be able to operate the Product without problems or interruptions, or that the Product is suitable for your purposes. Your exclusive remedy and the entire liability of AVerMedia under this paragraph shall be, at AVerMedia's option, the repair or replacement of the Product with the same or a comparable product. This warranty does not apply to (a) any Product on which the serial number has been defaced, modified, or removed, or (b) cartons, cases, batteries, cabinets, tapes, or accessories used with this product. This warranty does not apply to any Product that has suffered damage, deterioration or malfunction due to (a) accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, commercial or industrial use, unauthorized product modification or failure to follow instructions included with the Product, (b) misapplication of service by someone other than the manufacturer's representative, (c) any shipment damages (such claims must be made with the carrier), or (d) any other causes that do not relate to a Product defect. The Warranty Period of any repaired or replaced Product shall be the longer of (a) the original Warranty Period or (b) thirty (30) days from the date of delivery of the repaired or replaced product.

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For warranty period, please refer to the warranty card.