

AVerMedia® AVerVision330

User Manual



AVerMedia®
Document Camera

FCC NOTICE

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, 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 turning 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/TV technician for help.

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.

CAUTION ON MODIFICATIONS

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

CE NOTICE

This is a Class B product.

DISCLAIMER

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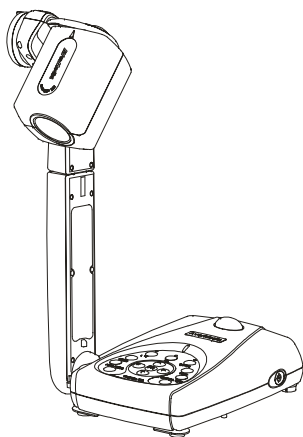
Introduction

Thank you for purchasing the AVerMedia® AVerVision330. This document camera displays any documents, negatives, transparencies and 3D objects onto a TV, LCD or DLP projector making product demonstration a snap.

The AVerVision330's advanced features make it a versatile and multifunctional product. You can think of it as a document camera, USB card reader/writer, digital camera and USB PC web cam all rolled into a single handy and compact device. Bundled with it, is a remote control, which has a laser pointer, built right into it making it easier for you to highlight or point out key areas in your presentation. All these features make the AVerVision330 an ideal device for business, academic, medical and the scientific community.

Package Contents

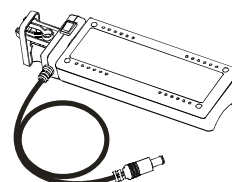
Your AVerMedia® AVerVision330 package contains the following:



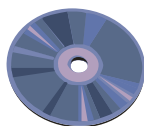
AVerMedia® AVerVision330



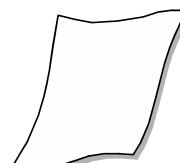
User Manual



LED Lamp



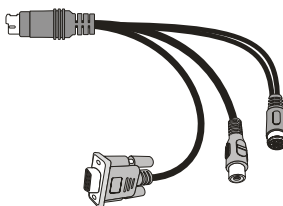
Driver CD



(1) Anti-glare sheet



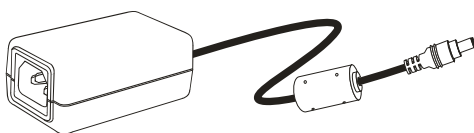
Carrying Case



Mini Din-9pin to S-Video/
Composite /RS-232 Adapter



Remote Control
(batteries included)



Power Adapter



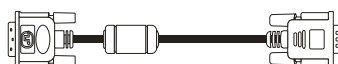
RCA Cable



S-Video Cable



Power Cord



DVI-RGB Cable



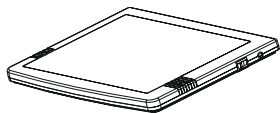
DVI/VGA Adapter



USB Cable

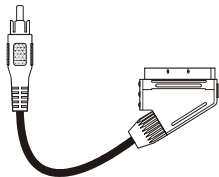
* The power cord will vary depending on the standard power outlet of the country where it is sold.

Optional Accessories

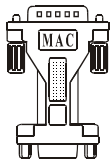


Light Box

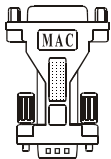
*Required to view slides, transparencies and film or to display negative film as positive images.



RCA to SCART Cable
(For SCART TV)



Monitor Adapter
(for MAC)



Computer Adapter
(for MAC)



Microscope Adapter (28mm)

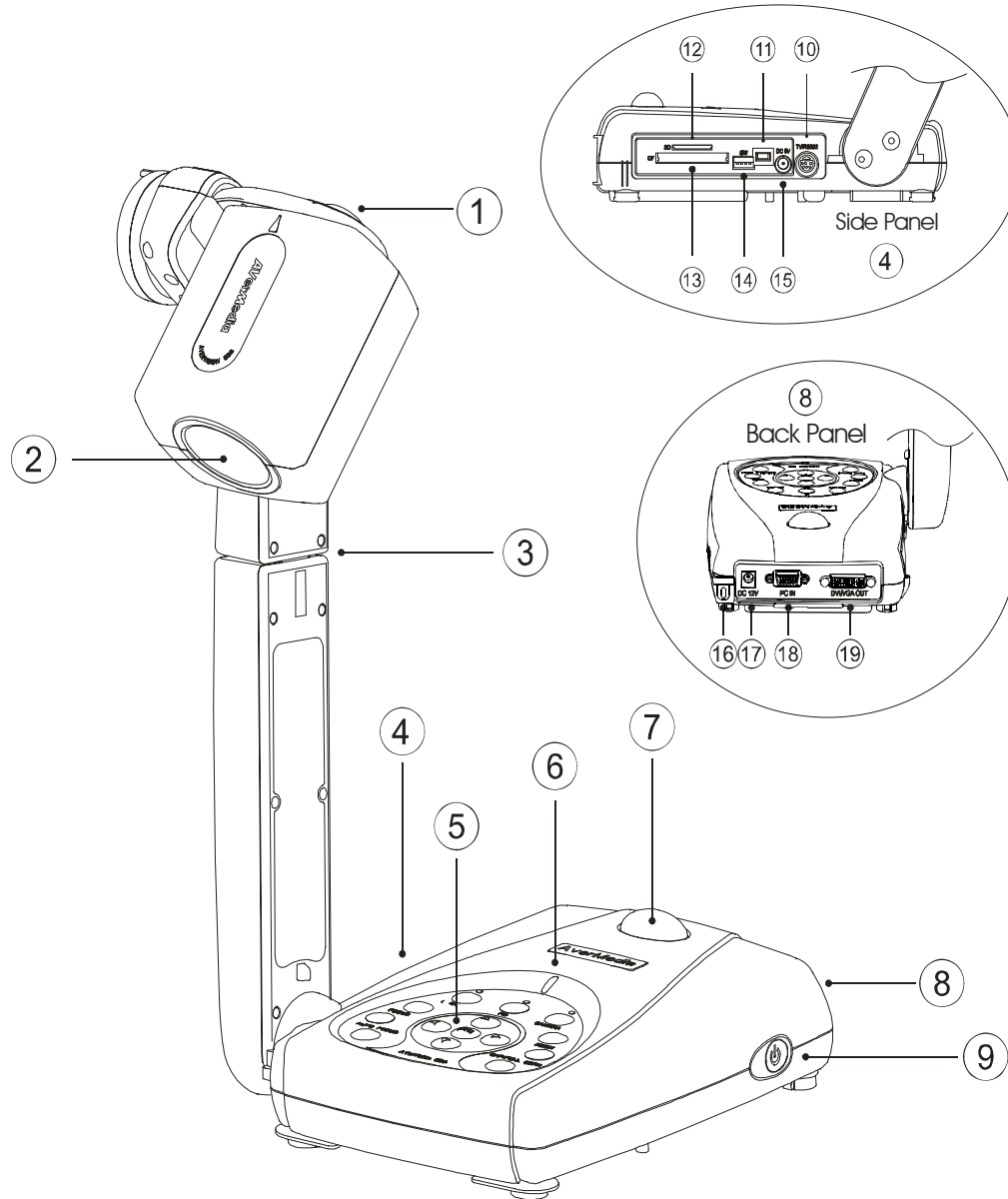


Microscope Adapter (34mm)

AVerMedia® AVerVision330 Components

The following illustrations identify the key components of your AVerVision330.

1. Circular Vial
2. Camera Lens
3. Extendable Arm
4. Side Panel
5. Control Panel
6. LED
7. IR Remote Sensor
8. Back Panel
9. Power
10. TV/ RS-232 Port
11. USB 1.1 Port
12. SD Card Slot
13. CF Card Slot
14. DIP switch
15. DC 6V (output)
16. Security Slot
17. DC 12V (input)
18. PC IN Port
19. DVI/VGA OUT Port



Technical Specifications

Image

Pick-up Device	1/3" progress scan CCD
Effective Pixels	790K 1024 (H) x 768 (V)
Frame Rate	15 fps
White Balance (RGB Output only)	Auto/Manual
Exposure (RGB output only)	Auto/ Manual/ Flicker / Night View
Image mode	Text/ Graphics/ Microscope
Effect	Color/ B/W/ Negative/ Mirror/ Rotate
Analog RGB output	XGA 75 Hz; SVGA 75 Hz
H Sync. Signal	60K/ 47 KHz, TTL level, Positive Polarity
V Sync. Signal	75Hz, TTL level, Positive Polarity
Image Signal Level	0.77 Vpp
S-Video, Composite Video Output	NTSC/ PAL

Optics

Lens	F1.8-2.7 Auto
Shooting Area	380mm x 285mm (max.); 40mm x 30mm (min.)
Zooming	Optical: 5x, Digital: 8x (Accelerated)
Focusing	Auto/ Manual

Power Source	100-220V ~ 1.8A, 50-60 Hz
Consumption	15 Watts (lamp off); 30Watts (Lamp on)

Lighting

Lamp type	LED lamp
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Input

VGA Input	15-Pins D-sub (VGA)
RS232	9-Pins D-Sub Female

Output

VGA Output	DVI to 15pin D-sub (VGA) Cable
DVI	DVI-I Type Female
S-Video	Mini-DIN Jack
Composite Video	RCA Jack
USB	USB1.1 Mini B Type
DC 6V Output	Power Jack

Dimension

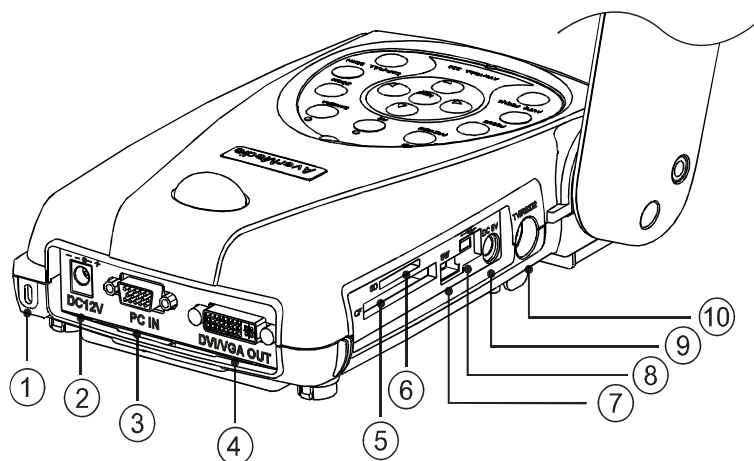
Operating	220mm x 140mm x 500mm
Folded	380mm x 170mm x 55mm
Weight	2 kg (about 4.4 lb) w/o Light Module

Card(s) Supported

Secure Digital (SD)	16~512MB
Compact Flash (CF)	16~512MB

Installing and Setting Up the Hardware and Software

The ports on the back and side panel of the AVerVision330 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 that are located at the back and side panel of the AVerVision330 with their corresponding labels.



Port	Description
1. Security Slot	Use this port to connect a Kensington compatible security lock.
2. DC 12 V (input)	Plug the power adapter into this port.
3. PC IN Port	Use this port to connect the AVerVision330 to the VGA output port of your computer. This enables you to input your computer video signal and pass it through to the DVI/VGA out port.
4. DVI/VGA OUT	Use this port to connect to a VGA/ Mac monitor, LCD/DLP projector, or high-end projector with DVI interface for your video camera, PC presentation, or memory card. (To use DVI-DVI connection, please connect the power cord and turn on the document camera first before plug in the DVI-DVI cable.)
5. CF Card Slot	Insert your CF card with the label facing up.
6. SD Card Slot	Insert your SD card with the label facing up.
7. DIP Switch	Allows you to configure the DIP switch.
8. USB1.1 Port	This port enables you to use AVerVision330 as a card reader/writer.
9. DC 6V (output)	Plug the light module or the optional light box into this port.
10. TV/RS-232	Connect the Mini Din 9-Pin to S-Video/ Composite/ RS-232 Adapter to this port. The s-video and composite connectors enable you to output your video camera or preview a picture from a memory card on your TV. Note: The RS-232 adapter allows you to control the AVerVision330 using a computer through an RS-232 connection. Refer to the RS-232 control instructions on your CD for more information.

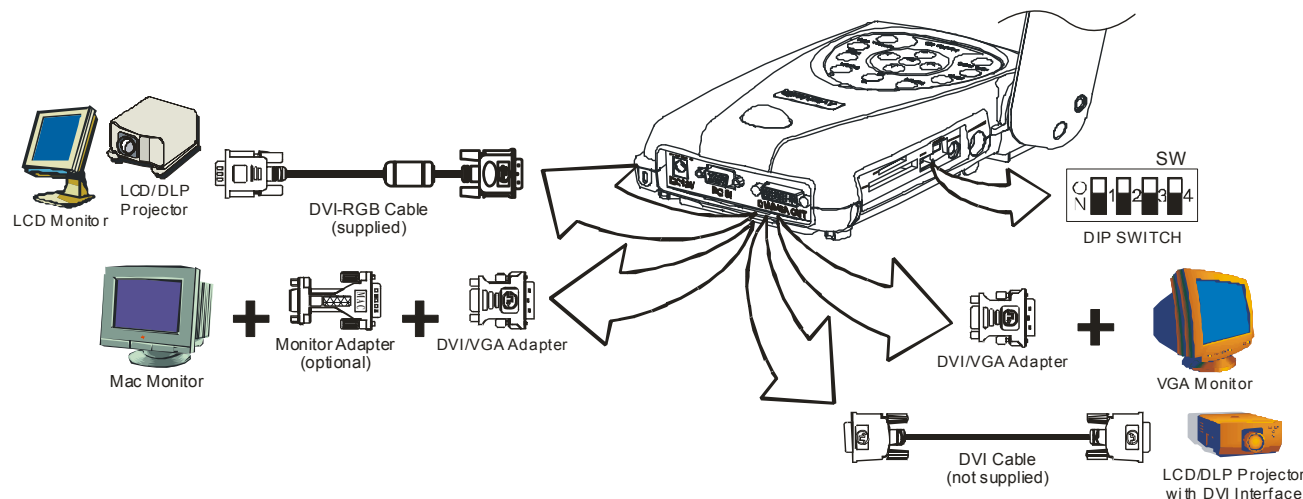
Setting the DIP Switch

The chart below depicts options for setting the DIP switch. You must turn the power off on your unit before changing the DIP switch setting.

SW ON 1 2 3 4	DIP Switch	1 (TV SYSTEM)	2 (VIDEO OUTPUT)	3 (USB CONTROLLER)	4 (ENGINEERING PORT)
UP		NTSC	RGB	Mass Storage	Default
DOWN		PAL	TV	PC CAM	X

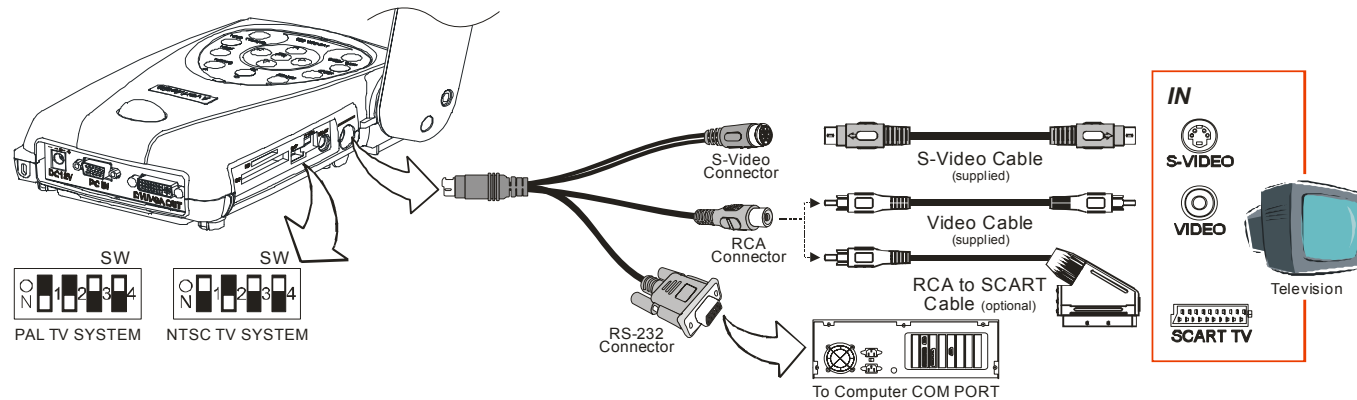
Connecting a VGA, Mac Display Monitor or LCD/DLP Projector

To display a presentation using a DVI/VGA or any graphics display monitor, set the DIP switch no. 2 to the UP position. If DVI-DVI connection is used, please must connect the power cord first."



Connecting a TV

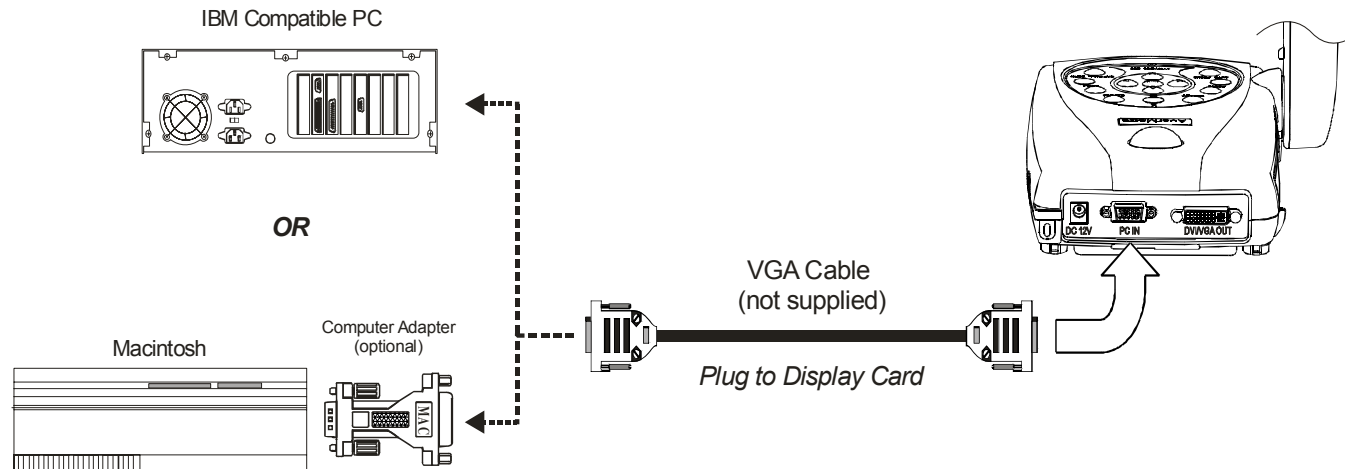
To display a presentation on TV, set the DIP switch no. 1 to the TV system that you have (UP for NTSC and DOWN for PAL) and DIP switch no. 2 to the DOWN position. If you are using a SCART RGB monitor, set the DIP switch no. 1 to the DOWN position for PAL TV system. (The SCART RGB Cable is provided as an optional accessory cable with the AVerVision330.)



Note: The RS-232 adapter allows you to control AVerVision330 using a computer through an RS-232 connection. Refer to the RS-232 control instructions on your CD for more information.

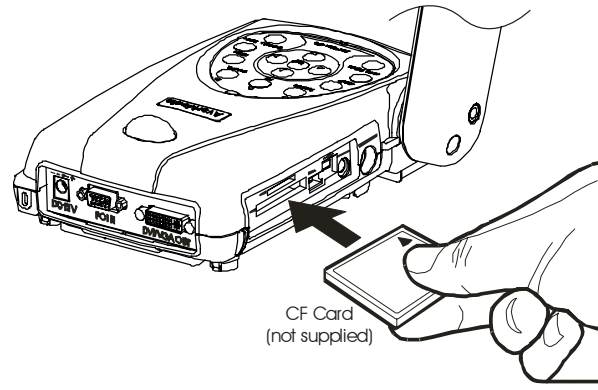
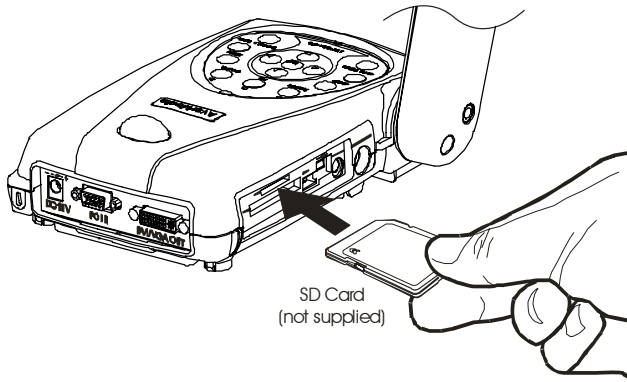
Connecting an IBM Compatible PC or Macintosh Computer

You can connect the AVerVision330 to an IBM compatible PC, Macintosh, or notebook (laptop) computer. After physically connecting the unit to your PC, you can display an image on your computer by pressing the **PC** button on the unit's control panel or remote control.



Inserting and Ejecting a Memory Card

Insert the card fully with the label facing up until it reaches the end. To remove, pull the card out.



Installing JPEG Converter Applications

Minimum System Requirements

- Pentium®-class processor
- Microsoft® Windows® 98 Second Edition, Windows Millennium Edition, Windows NT Workstation 4.0 with Service Pack 6, Windows2000 Professional with Service Pack 2, Windows XP Professional or Home, or Windows XP Tablet PC
- 32 MB of RAM (64 MB recommended)
- 60 MB of available hard-disk space

To install the JPEG Converter Applications:

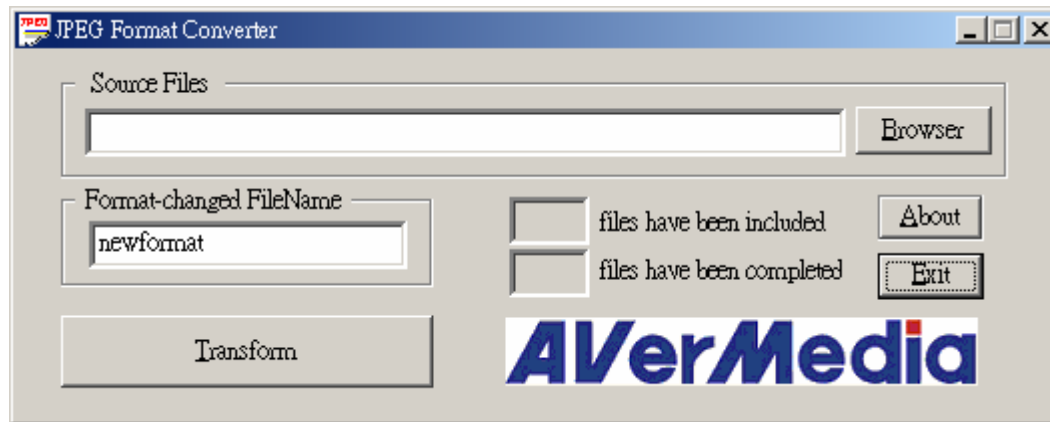
1. Insert your AVerVision CD into your CD-ROM drive, and click on "JPEG Converter Applications".
2. Click "Finish" to complete installation.



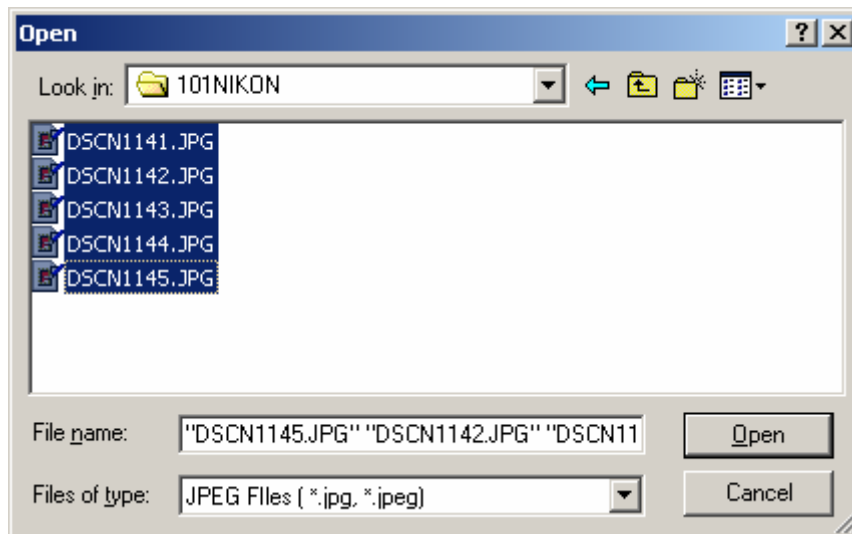
Converting JPEG File Formats

Use the JPEG Converter application provided to convert your JPEG files to a format that the AVerVision330 can read.

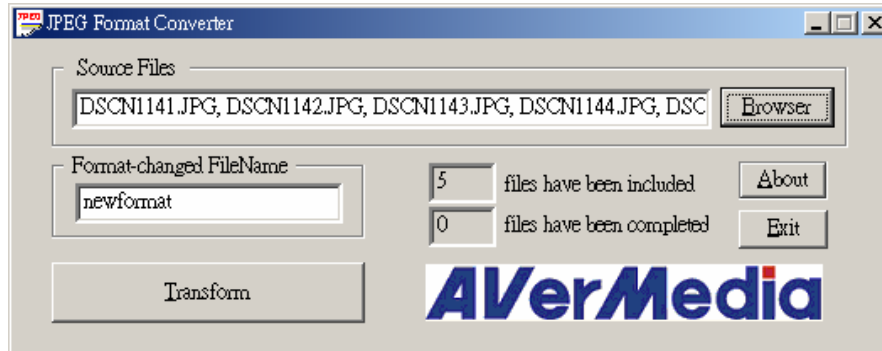
1. Open the JPEG Converter application.



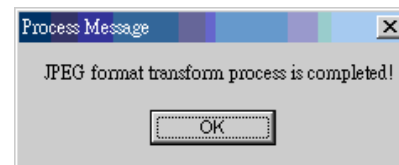
2. Click on the Browser button to select the file(s) that you want to convert. You can choose more than one file at a time.
Note: You can only convert files with a ".jpg" file name extension.



3. Use the "Format-changed FileName" field to change the name of your source file.

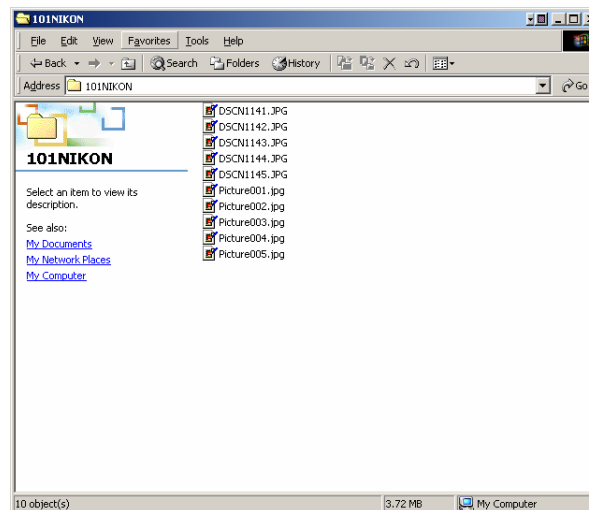


4. Press the "Transform" button. When finished, a message indicating that the process is completed appears.



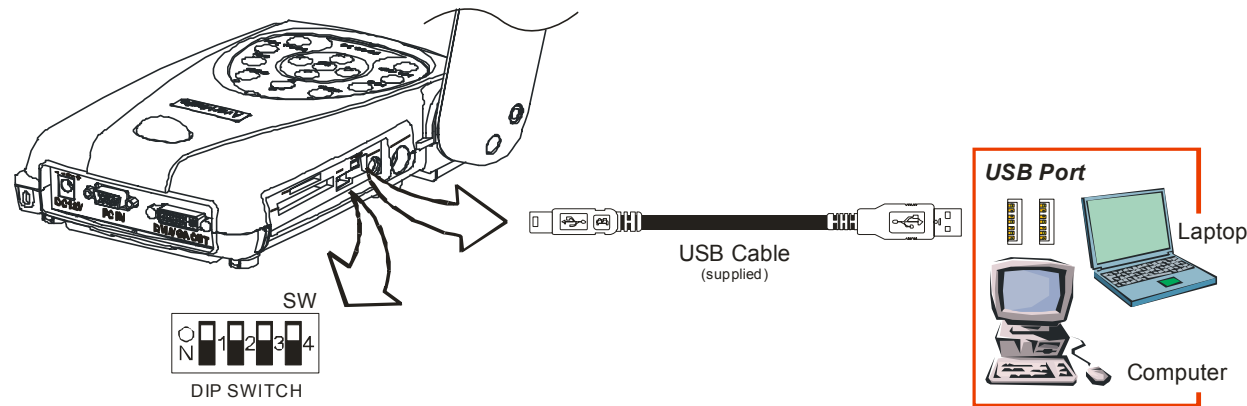
5. Press "OK" and press "Exit" to close the software.

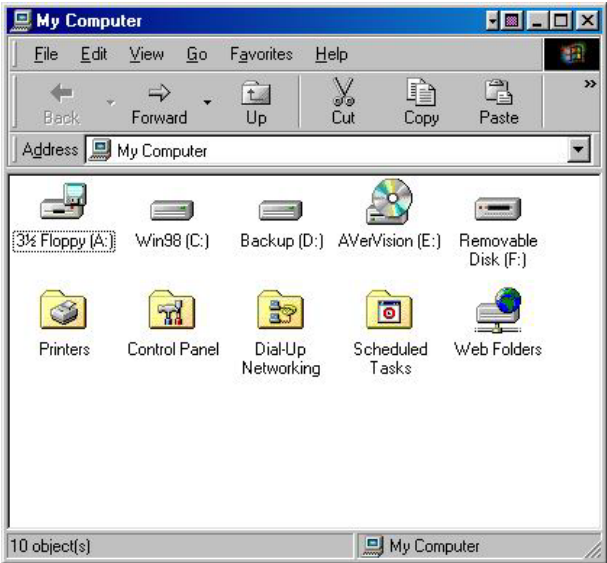
The JPEG Converter application saves your converted files in the same folder as your source files. You can then copy the converted files to the "JPEG" folder on your memory card. Use the AVerVision330 PREVIEW Mode to view your converted image files.



Transferring Pictures to a Computer via USB Connection

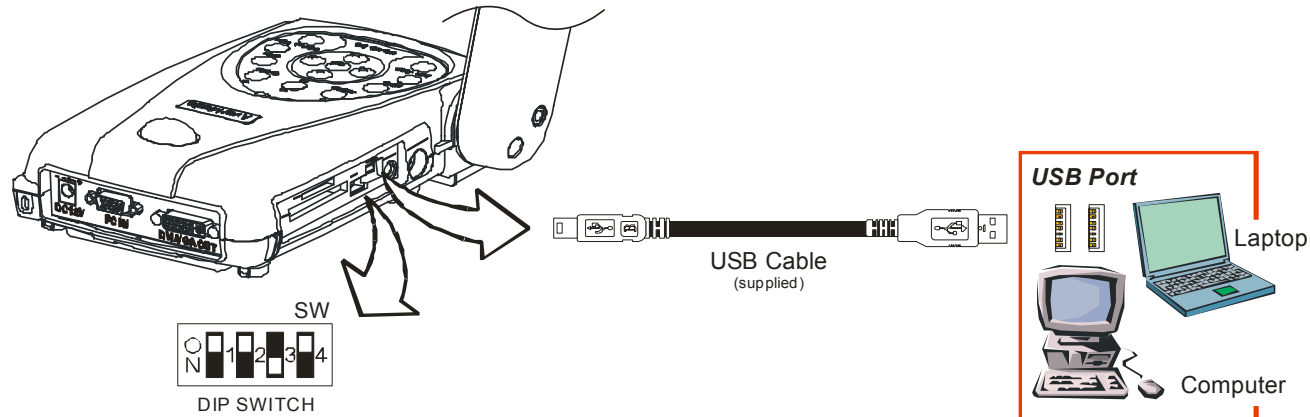
To transfer pictures, you must set the DIP switch no. 3 to the UP position to use the AVerVision330 as a USB card reader/writer.



Computer Operating System	Requirement
Windows 2000 SP4 and XP SP1	No driver is required. Plug the AVerVision330 into an available USB port. A new disk icon appears on your system.
Windows Me and 98/98SE	<p>You need to install the driver before connecting the unit to the computer USB port. Insert the driver CD into your CD-ROM drive. The installation main screen automatically appears. Click Install. After you complete installing the driver, you must restart your computer. After you restart the computer, a new "Removable Disk" appears.</p> 

Using AVerVision330 as USB PC Cam

To use AVerVision330 as USB PC Cam, set the DIP switch no. 3 DOWN. (For detailed PC Cam driver installation procedures, see the instruction provided in the CD and click **User Manual**.)



Using the AVerVision Application

Use the AVerVision PC Camera applications provided to control the AVerVision330 to save any captured images or video clips to your PC, or send them via emails.

Note: When a USB cable is connected between the document camera and the PC, the document camera features are controlled by the application software directly instead on the remote control.

Installing the Software

Minimum System Requirements :

- Pentium®-class processor
- Windows NT Workstation 4.0 with Service Pack 6, Windows2000 Professional with Service Pack 2 or above, Windows XP Professional or Home, or Windows XP Tablet PC
- 32 MB of RAM (64 MB recommended)
- 60 MB of available hard-disk space

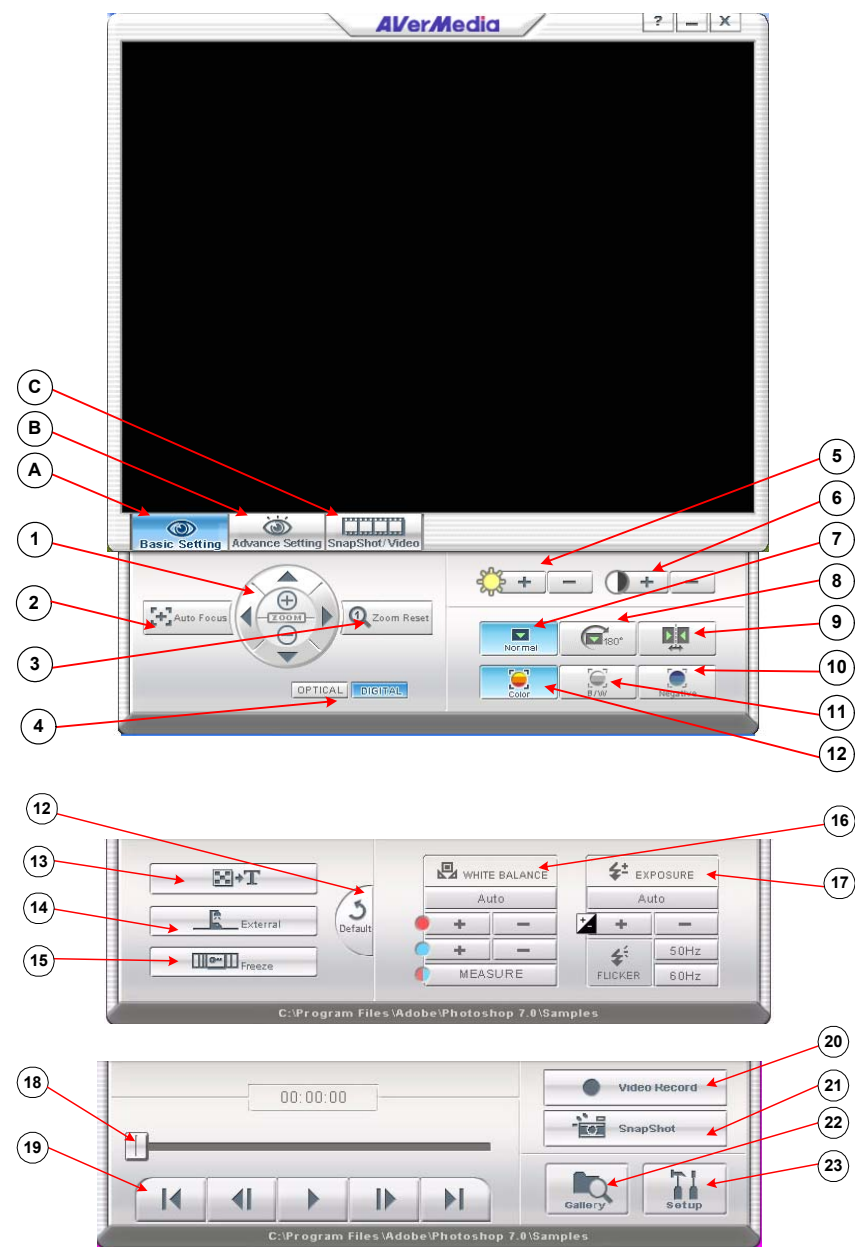
To install PC Webcam Applications:

1. Insert your Software CD into your CD-ROM drive, and click on "PC Camera Applications" and follow the instructions.



2. Click "Finish" to complete installation.
3. After the installation, connect the USB cable between the AVerVision330 and your PC. Open the applications by clicking "VisionAP" icon on your desktop.

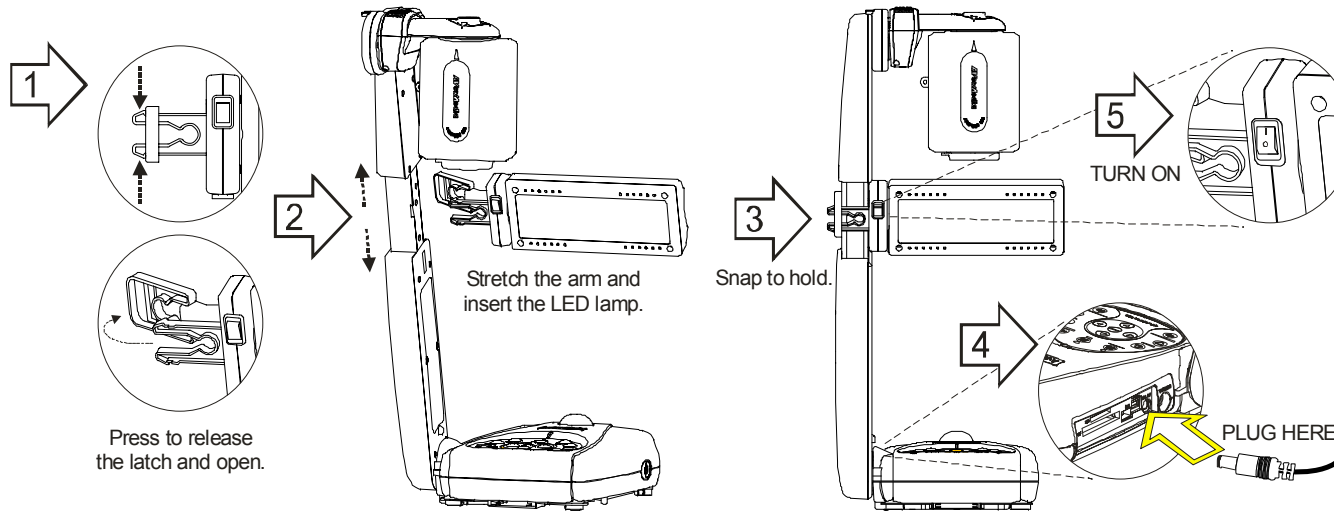
Application User Interface



A. Basic Setting	
Function	Description
1	Digital Zoom and Pan Control
2	Auto Focus
3	Return to normal view (1X)
4	Optical/Digital zoom-in selection.
5	Brightness adjustment
6	Contrast adjustment
7	Normal view without image rotate or mirror
8	Rotate the image by 180°.
9	Image mirroring
10	Convert the image to Negative
11	Convert the image to Black and White
12	Back to the original image
B. Advance Setting	
Function	Description
12	Restore to original factory setting
13	Select between text and graphic image enhancement mode
14	Display the image from AVerVision's camera or from the PC IN port
15	Freeze image
16	Adjust White Balance
17	Adjust Exposure
C. SnapShot/Video	
Function	Description
18	Control the video display by controlling bar
19	Play and control the video display
20	Record the video and save it into PC
21	Capture a single picture and save it into PC
22	Retrieve saved pictures or video clips
23	Setup for the picture snapshot or video recording.

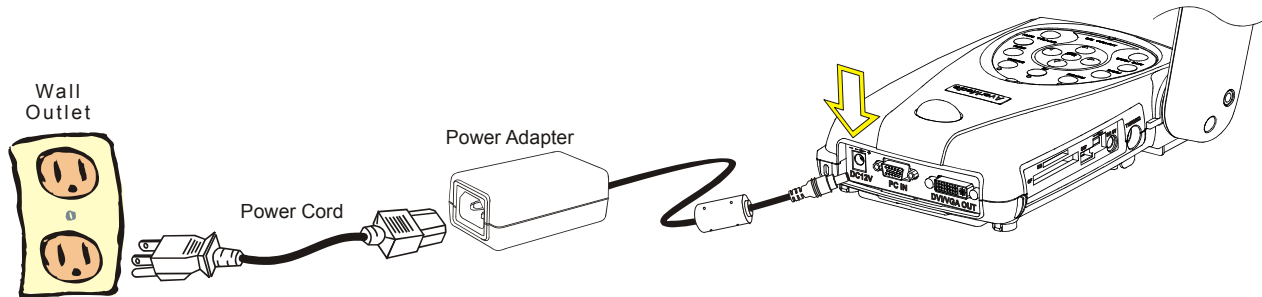
Installing the LED Lamp

A portable LED Lamp is provided to ensure adequate lighting. Focus the light towards the object to balance the distribution or range of luminance for better image projection.



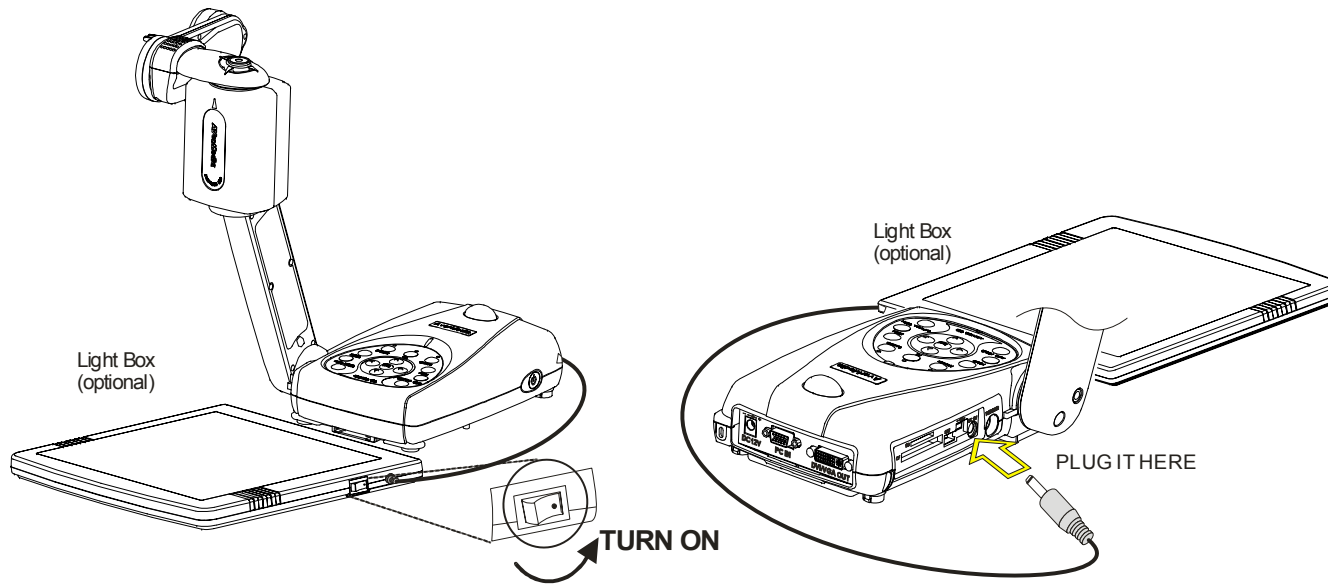
Connecting the Power Adapter

You can connect the power adapter to a standard 100V~240V AC power source.



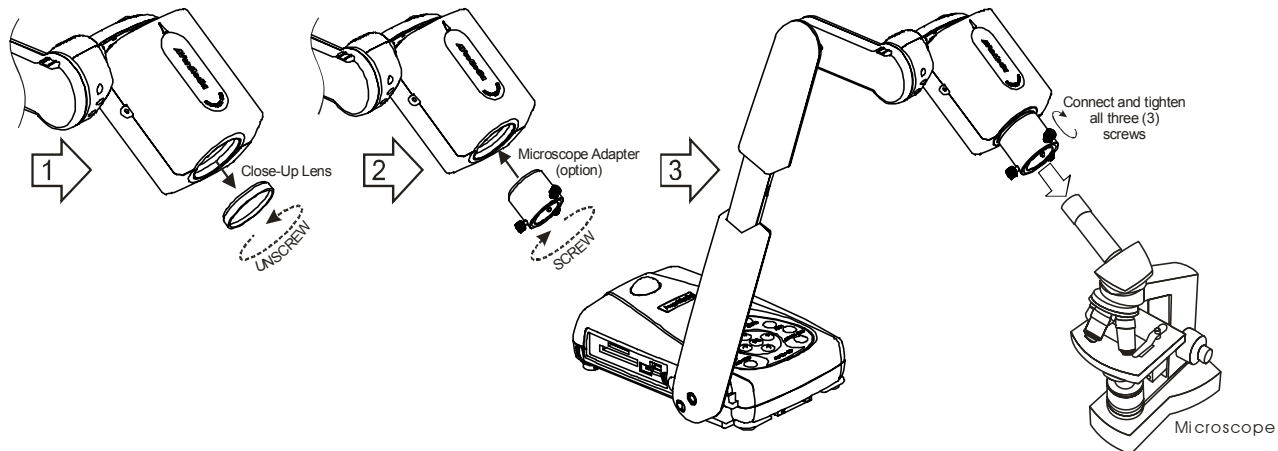
Installing the Optional Light Box

Connecting an optional light box enables you to view x-rays, transparencies and negative slides.



Connecting to a Microscope

Connecting the AVerVision330 to a microscope enables you to examine microscopic objects on a big screen without straining your eyes. To view microscopic images, you must set the unit to microscope mode, and then adjust the microscope for a clearer image (refer to p26).

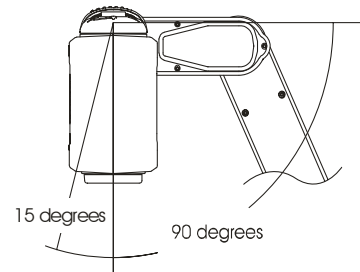


Adjusting the AVerVision330

This section describes how you can adjust the AVerVision330 to meet your needs.

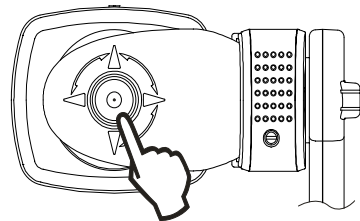
Camera head

You can rotate the camera head 125 degrees from left to right. As you rotate the camera head, the camera adjusts the focus automatically.



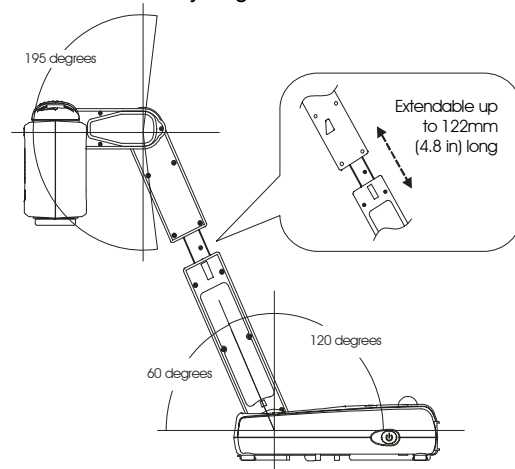
Circular Vial

To ensure proper camera head alignment; adjust the camera head until the air is inside the circle mark.



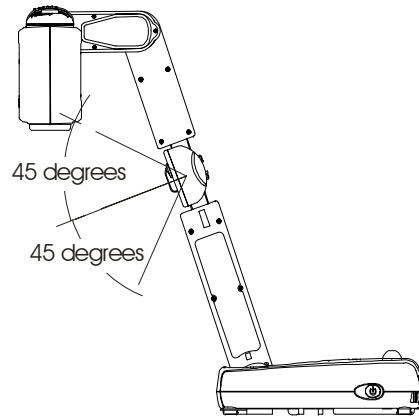
Mechanical Arm

The mechanical arm is designed to move from almost any angle. Follow the illustrated safety procedure to adjust.



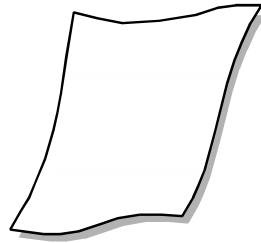
LED Lamp

Carefully adjust the light towards the object.



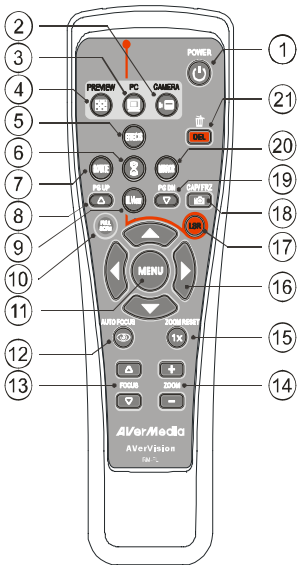













Anti-glare








The anti-glare sheet is a special coated film that helps eliminate the light reflection when you are displaying very shiny object or glossy surfaces such as magazines, etc. Simply place the anti-glare sheet on top of the shiny document to reduce reflected light.



Using the Infrared Remote Control

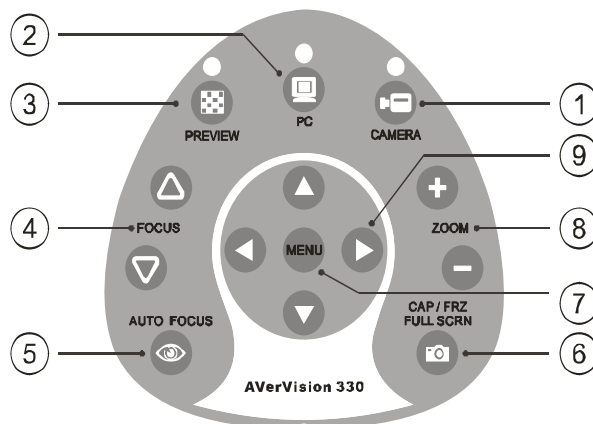
Use the AVerVision330 Remote Control to enhance your presentation, switch between (3) three presentation modes and access additional features. To use the remote control, first insert the batteries (2 size “AAA” batteries are provided) into the battery compartment at the back of the remote. Use the figure and descriptions below to help you use the remote control.







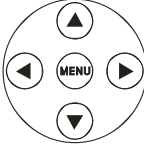
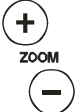
		Function	Button	Description
	1	POWER		Turns the unit on/off.
	2	CAMERA MODE		Switches to Camera mode and displays the image from the AVerVision330's built-in digital video camera.
	3	PC MODE		Switches to PC mode and displays the video signal from the PC IN port.
	4	PREVIEW MODE		Switches to Preview mode and displays 16-thumbnail images from the memory card source. Note: You can only view an AVerVision330 photographed image or other 1024 x 768 resolution image. Note: The JPEG Converter application bundled your unit converts any JPEG file to a file that is supported by the AVerVision330.
	5	EFFECTS		In Camera mode, press to convert and view the video in either BW, Negative or Color.
	6	TIMER		Press TIMER button to display, start and hide the on-screen display timer. You can toggle to display or hide the remaining time when the timer countdown has started. (Refer to the section, Timer Function, for more details.)
	7	Reserve		In Camera mode, press to rotate the image by 180°.
8 & 19 PAGE UP/DOWN		 	Use the PGUP and PGDN to display the previous and next set of 16-thumbnail pictures.	
9 NIGHT VIEW			Press to turn on/off Night View. Use Night View when you are presenting in a low-light condition. In Night View, the image of the object appears as though under the normal lighting conditions. The AVerVision330 automatically adjusts the exposure to compensate the adverse condition. The captured image however, appears in slow motion.	
10 FULL SCRNR			In preview mode, press to display the image in full size and to revert back to display 16-thumbnail pictures.	
11 & 16 / MENU			- Press MENU to call the OSD menu and then use the ▲, ►, ▼ and ◀ around the menu button to make a selection and adjustment. Refer to the section, Menu Functions, for more details. - In preview mode, use the ▲, ►, ▼ and ◀ to make a selection and then press FULL SCRNR to display the image in full size. You may also use FULL SCRNR button to revert back to display 16-thumbnail pictures.	
12 AUTO FOCUS			Automatically adjusts the focus.	

Function	Button	Description
13 FOCUS △ / ▽		Press △ or ▽ to manually adjust the focus.
14 ZOOM +/-		In Preview mode, press “+” or “-” to digitally zoom in and zoom out the picture. In Camera mode, press “+” or “-” to optically zoom in and zoom out the image. When the bar at the lower right corner of the screen reaches the maximum level of magnification about 500%, you can still continue to digitally zoom in the image up to 800%. Note: The image may appear blurry when optically zooming the image in and out. After achieving the desired magnification the camera automatically adjusts the focus and the image will become clear again. When you digitally zoom, the image appearance will degrade.
15 ZOOM RESET		Press to return to normal view (1x).
17 LASER		Press LSR to turn on the laser pointer. Caution: Do NOT look directly at the laser pointer. You should also avoid aiming the laser at any surface that may reflect the beam back (i.e., a mirror or mirrored surface).
18 CAPTURE/ FREEZE		In Camera mode, press to photograph an image. The captured image stays on the screen until you switch to any of the 3 modes. If there is an available memory card in the slot, the captured image is automatically stored in the memory card in 1024 x 768 resolution.
20 MIRROR		In Camera mode, press to flip the image picked up by the camera.
21 DELETE		Permanently removes the selected picture in preview mode or the displayed full sized picture.

Touch Button Control Panel

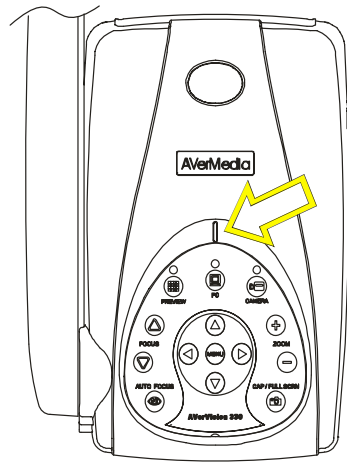
The touch button control panel located on the top side of AVerVision330 provides quick access to commonly used functions.



Function	Button	Description
1 CAMERA MODE		Switches to Camera mode and displays the image from the AVerVision330's built-in digital video camera.
2 PC MODE		Switches to PC mode and displays the video signal coming from the PC IN port.
3 PREVIEW MODE		Switches to Preview mode and displays 16-thumbnail pictures from the memory card source. Only displays AVerVision330's photographed image or 1024 x 768 image resolutions. Note: Use the JPEG Converter application to convert any JPEG file to a format that is supported by the AVerVision330.
4 FOCUS △ / ▽		Press △ or ▽ to manually adjust the focus.
5 AUTO FOCUS		Automatically adjusts the focus.
6 CAP/FRZ FULL SCRΝ		<ul style="list-style-type: none"> - In Camera mode, press to photograph an image. The captured image stays on the screen until you switch to any of the 3 modes. If there is an available memory card in the slot, the captured image is stored in the memory card automatically and saved in 1024 x 768 resolution. - In Preview mode, press to display the selected image in full size.
7 & 9 MENU/ ◀▶▶▶		<ul style="list-style-type: none"> - Press MENU to call the OSD menu and then use the ▲, ►, ▼ and ◀ to make a selection and adjustment. (Refer to the section, Menu Functions, for more details.) - In Preview mode, use the ▲, ►, ▼ and ◀ to make a selection and then press CAP/FULL SCRΝ button.
8 ZOOM +/-		<p>In Preview mode, press "+" or "-" to digitally zoom in and zoom out the picture.</p> <p>In Camera mode, press "+" or "-" to optically zoom in and zoom out the image. When the bar at the lower right corner of the screen reaches the maximum level of magnification (about 500%), you can still continue to digitally zoom in the image up to 800%.</p> <p>Note: The image may appear blurry when optically zooming the image in and out. After achieving the desired magnification, the camera adjusts the focus automatically and the image becomes clear again. When you digitally zoom, the image appearance will degrade.</p>

LED Panel

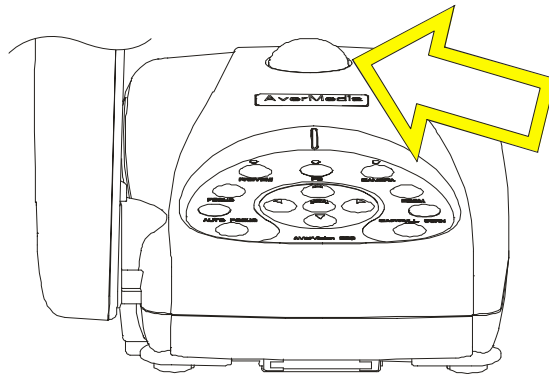
The chart below indicates the status of the AVerVision330.



Color	Description
Green	The unit is powered on.
Red	The unit is in standby mode.

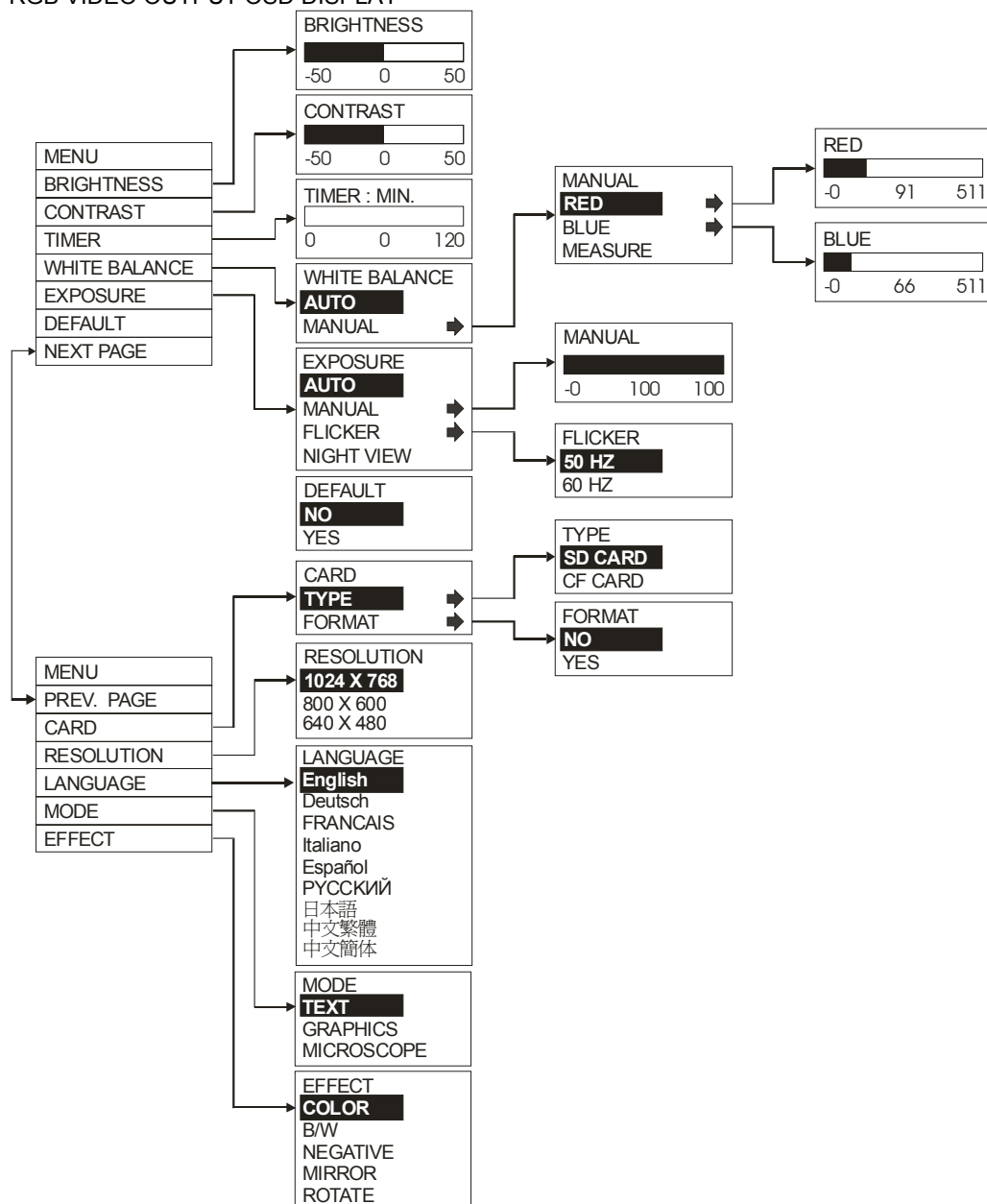
Infrared Sensor

When using the remote control, aim it at the Infrared Sensor, which is located at the front panel of the AVerVision330.

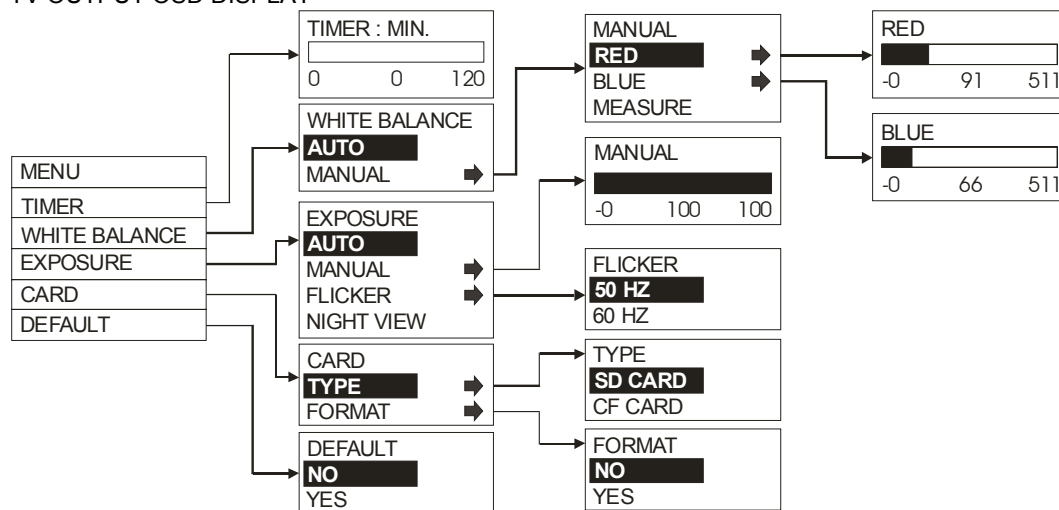


OSD Navigation Tree

RGB VIDEO OUTPUT OSD DISPLAY



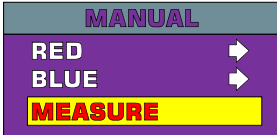
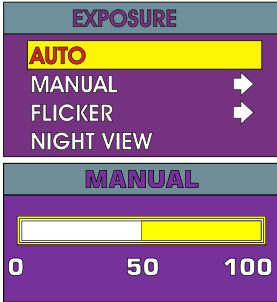


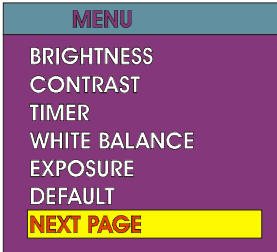
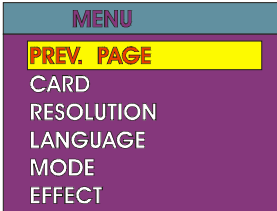
TV OUTPUT OSD DISPLAY

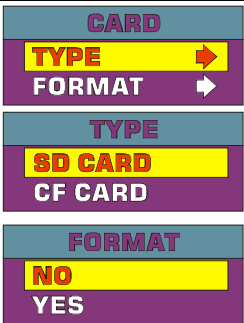
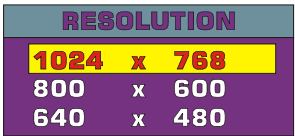

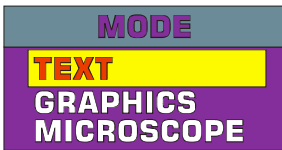
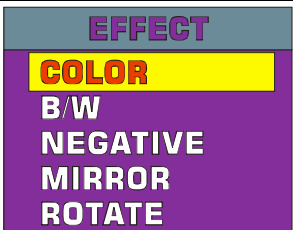


Menu Functions

The AVerVision330 provides MENU functions enabling you to fine-tune your screen display, set the timer, select OSD language and more. Press the **MENU** button to call up and exit from the main menu or sub-menu display. Then use **▲** or **▼** buttons to select the items in the menu list. Use **▶** button to enter sub-menu. To adjust the setting, press **◀** or **▶** buttons.

Main Menu	Sub-Menu OSD	Description
BRIGHTNESS		Press ▶ or ◀ buttons to increase or decrease the brightness level and improve the visibility of the image. You can adjust the brightness level up to ± 50 .
CONTRAST		Press ▶ or ◀ buttons to emphasize or reduce the difference between light and dark conditions. You can adjust the contrast level up to ± 50 .
TIMER		Press ▶ or ◀ buttons to set a time value. You can set the time value up to 120 minutes. (Refer to the section, <i>Timer Function</i> , for more details.)
WHITE BALANCE		Use ▲ or ▼ buttons to select between Auto and Manual. AVerVision330 enables you to automatically or manually adjust the camera to suit the lighting condition or color temperature. If you select to manually adjust the white balance, you can adjust the Red, Blue or use the system to measure the color temperature.

Main Menu	Sub-Menu OSD	Description
WHITE BALANCE		To obtain a more accurate color balance, place a sheet of white paper under the camera. Select MEASURE then press ► button to calibrate the color temperature. Wait until a " MEASURE OK " appears at the lower left corner of the presentation screen.
EXPOSURE		<p>Use ▲ or ▼ buttons to select between Auto and Manual. AVerVision330 allows you to automatically or manually adjust the camera to determine how much light is required. If you choose to manually adjust the exposure, press ► or ◀ buttons to adjust the exposure level.</p> <p>If you are presenting in a low-light condition, Night View would let the image of the object appear as though under the normal lighting conditions. The AVerVision330 automatically adjusts the exposure to compensate the adverse condition but the captured image will appear to be in slow motion.</p>
		Use ▲ or ▼ buttons to select between 50Hz or 60Hz. Some display devices cannot handle high refresh rates. The image will flicker a couple of times as the output is switched to another refresh rate.
DEFAULT		Use ▲ or ▼ buttons to select YES to restore to original factory default setting or NO to exit then press ► to make the selection.
NEXT PAGE		Press ► to go to the next menu page.
PREVIOUS PAGE		Press ► to go to the previous menu page.

Main Menu	Sub-Menu OSD	Description
CARD		<p>Use ▲ or ▼ buttons to select the source on where to store or view the image.</p> <p>Use ▲ or ▼ to select NO to exit or YES to format and delete all the data in the memory card then press ►</p>
RESOLUTION		<p>Use ▲ or ▼ buttons to choose from 1024x768, 800x600 or 640x480 display resolution then press ► to make the selection.</p>
LANGUAGE		<p>Use ▲ or ▼ buttons to select from nine different languages then press ► to make the selection.</p>
MODE		<p>Use ▲ or ▼ buttons to select between text, graphics and microscope image enhancement mode.</p> <p>In text mode, the AVerVision330 corrects the intensity of the adjacent pixel making it more uniform producing sharper and clearer images. While in graphics mode, the AVerVision330 adjusts the gradient of the adjacent pixel that appears to have a smooth image. Setting it to microscope mode automatically fixes the optical zoom and displays the microscope image more clearly.</p>
EFFECT		<p>Use ▲ or ▼ buttons to display the image captured by the camera into negative, positive (true color), monochrome (black and white) mirrored the image, or rotate the image by 180°.</p>

Timer Function

The AVerVision330 enables you to control the pace of your presentation by displaying the remaining time on the countdown screen. This merely serves as a reminder. When time is up, the presentation screen will not be affected in any way.

To Set the Timer:

1. Press **MENU** to view on screen function selections.
2. Press **▲** or **▼** buttons to select **TIMER**.
3. Press **▶** or **◀** buttons to set a time value.

You can set the time value up to 120 minutes.

4. After selecting a time value, press the **MENU** button to go back to the main menu.

To View and Start the Timer Countdown:

1. To display the previously set time value, press the **TIMER** button once. The AVerVision330 automatically converts your settings to “hours:minutes:seconds” format.
2. To start the countdown, press the **TIMER** button again.
3. Once the countdown timer starts, you can toggle the countdown screen to display and hide it by pressing the **TIMER** button.



Troubleshooting

This section provides useful tips describing how to solve common problems while using the **AVerVision330**.

There is no picture on the presentation screen.

1. Check all the connectors again as illustrated in this manual.
2. Check the remote control's on/off switch on your display output device.
3. Verify the setting of the display output device.
4. If you are using a notebook or computer, you may have to switch the source to VGA.

I have set up the **AVerVision330** and checked all the connections as specified in the manual, but I can not get a picture on the preferred presentation screen.

- Once power is connected, switch **AVerVision330** "ON" from the unit to display the picture on the presentation screen.
- The default camera display resolution setting is on 1024x768. If your output device does not support this resolution you will not be able to see an image on your display device. Press the MENU and RIGHT or LEFT button to increase or decrease the resolution setting.

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

1. Before making any adjustments, reset all picture attributes to the factory default setting (Refer to the Menu Functions, for more details).
2. Each display device is slightly different from another. Use the Positioning and Adjustment Control of **AVerVision330** to adjust the picture.
3. Use the Brightness and Contrast menu functions to reduce the distortion.

There is no computer signal on the presentation screen.

When you turn on the computer, it will auto-detect the type of monitor you have. During auto-detection, there will not be any display on your presentation screen. To avoid this problem, connect your computer, and all the necessary cables to the **AVerVision330** first before you power on your computer.

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AVerVision110: 2 Year Limited Parts and Labor

AVerVision100 series, AVerVision280 & AVerVision300: 3 Year Limited Parts and Labor

AVerVision330, All other AVerVision300X series & 500 series: 5 Year Limited Parts and Labor

All other AVerMedia Products: 1 Year Limited Parts and Labor

All AVerVision Accessories: 1 Year Parts and Labor

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