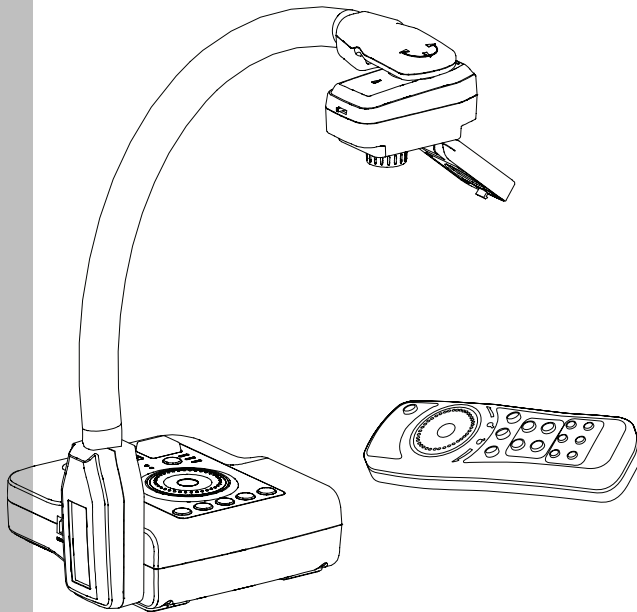


AVerMedia® AVerVision CP150

User Manual



AVerMedia

AVerMedia®

Digital Document Camera



P/N 300AP0A7-CPE
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.

DISCLAIMER

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THE MARK OF CROSSED-OUT WHEELED BIN INDICATES THAT THIS PRODUCT MUST NOT BE DISPOSED OF WITH YOUR OTHER HOUSEHOLD WASTE. INSTEAD, YOU NEED TO DISPOSE OF THE WASTE EQUIPMENT BY HANDING IT OVER TO A DESIGNATED COLLECTION POINT FOR THE RECYCLING OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT. FOR MORE INFORMATION ABOUT WHERE TO DROP OFF YOUR WASTE EQUIPMENT FOR RECYCLING, PLEASE CONTACT YOUR HOUSEHOLD WASTE DISPOSAL SERVICE OR THE SHOP WHERE YOU PURCHASED THE PRODUCT.

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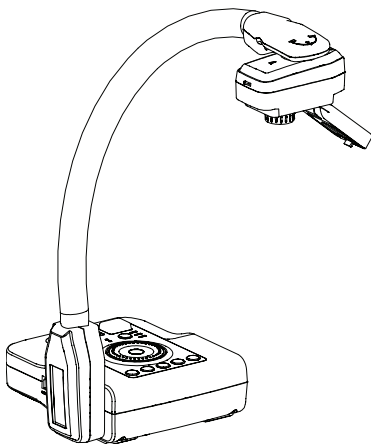
Introduction

Thank you for purchasing the AVerMedia® AVerVision CP150. This document camera displays documents, negatives, transparencies and 3D objects onto a TV, LCD or DLP projector making presentations a snap.

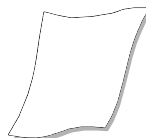
AVerVision CP150 is an ideal presentation tool for business, academic, medical and the scientific community.

AVerMedia

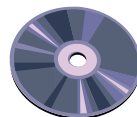
Package Contents



AVerMedia® AVerVision CP150



Anti-glare Sheet



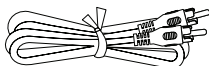
Driver CD



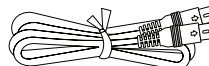
User Manual



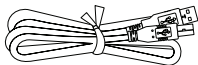
Remote Control
(batteries included)



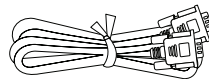
RCA Cable



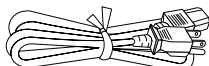
S-Video Cable



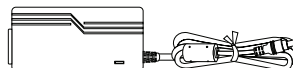
USB Cable



Computer Extension cable
(VGA Cable)



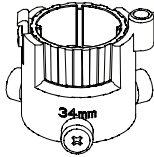
Power Cord



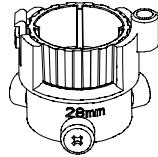
Power Adapter

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

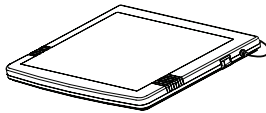
Optional Accessories



34mm Microscopic Adapter



28mm Microscopic Adapter



Light Box

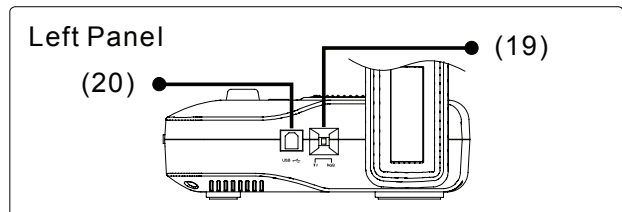
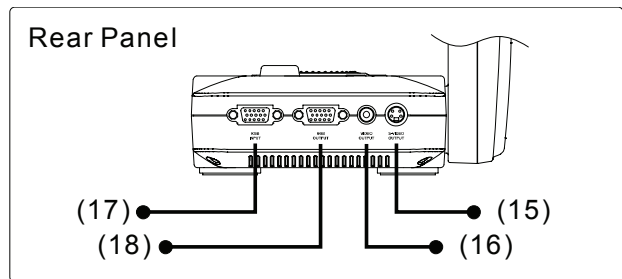
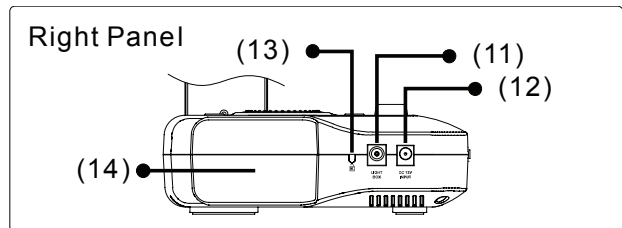
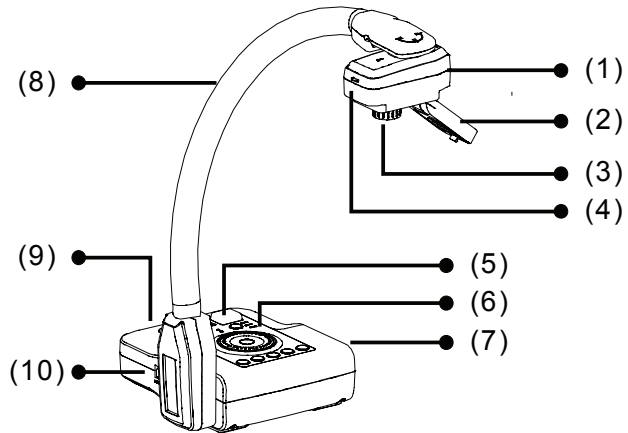


Bag

AVerVision CP150 Parts

The illustrations below identify the parts of AVerVision CP150.

- (1) Camera head
- (2) LED light module
- (3) Camera lens
- (4) LED switch
- (5) IR sensor
- (6) Control panel
- (7) Right panel
- (8) Gooseneck
- (9) Rear panel
- (10) Left panel
- (11) Light box power port
- (12) DC 12V port
- (13) Antitheft slot
- (14) Camera head holder
- (15) S-Video output port
- (16) Composite video output port
- (17) RGB input port
- (18) RGB output port
- (19) TV-RGB switch
- (20) USB port



Technical Specifications

Image

Sensor	1/2" CMOS color image sensor
Pixel Count	3.2 mega pixels
Frame Rate	24 fps (max.)
White Balance	Auto / Manual
Exposure	Auto / Manual
Image mode	Text / Graphics / High Frame
Effect	Color / B/W / Negative
Analog RGB output	XGA 60 Hz; SVGA 60 Hz; VGA 60 Hz
Image Capture	Up to 80 Frames

Optics

Lens	F3.0; fl=9.6mm
Focusing	Manual
Shooting Area	300mm x 225mm (max.)
Zooming	2X AVERZOOM, 8X Digital Zoom

Power

Power Source	100-240V ~ 4.0-4.2A, 50-60Hz
Consumption	18 Watts (lamp off); 20 Watts (lamp on)

Lighting

Lamp Type	LED lamp
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Input/Output

RGB Input	15-Pins D-sub (VGA)
RGB Output	15-Pins D-sub (VGA)
S-Video	Mini-DIN Jack
Composite Video	RCA Jack
USB	USB2.0
DC 12V Input	Power Jack
Light Box	Power Jack (DC 6V Output)

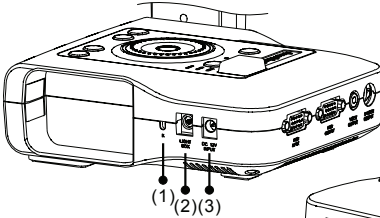
Dimension

Operating	160mm x 170mm x 450mm
Folded	287.4mm x 232.5mm x 61mm
Weight	2.4 kg (about 5.3 lb)

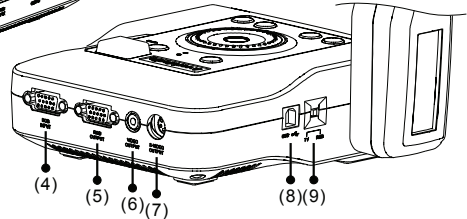
Making the Connections

The ports on the rear, left and right panel of CP150 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 rear, left and right panel of CP150 with their corresponding labels.

Right Panel



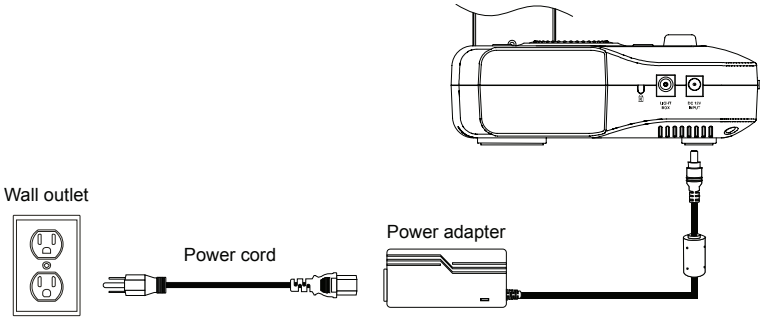
Rear & Left Panel



Port	Description
(1) Antitheft Slot	Attach a Kensington compatible security lock or antitheft device.
(2) Light Box	Plug the optional light box into this port.
(3) DC 12V Input	Connect the power adapter into this port.
(4) RGB INPUT	Input the signal from a computer or other sources and pass it through to the RGB Output port only. Connect this port to the VGA output port of the computer.
(5) RGB OUTPUT	Output the signal from the camera, RGB input port, or the captured images from the memory on a VGA/Mac monitor or LCD/DLP projector.
(6) VIDEO OUTPUT (RCA/Composite)	Output the signal from the camera or the captured images from the memory on TV or Video equipment.
(7) S-VIDEO OUTPUT	Output the signal from the camera or the captured images from the memory on TV or Video equipment.
(8) USB	Use CP150 as a USB Camera or transfer the captured images from CP150 memory to PC.
(9) TV-RGB switch	Switch to output display video either from Video, S-VIDEO, or RGB output port.

Connecting the Power Adapter

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



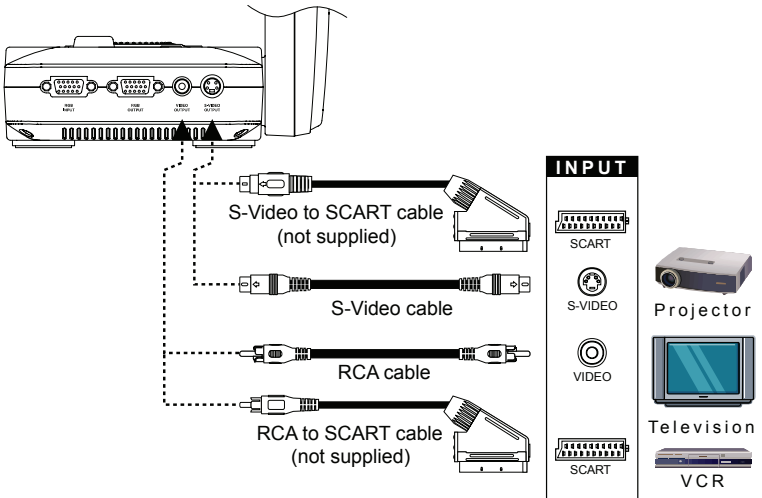
Connecting a TV

Locate the VIDEO, S-VIDEO or SCART RGB input port of the TV or Video equipment (i.e., VCR) to record your presentation on a videotape and connect it to S-VIDEO or VIDEO OUTPUT port of CP150. If you are not sure, please refer to the user manual of the TV or Video equipment.



For better video quality, we strongly suggest using S-VIDEO connection.

Make sure the TV/RGB switch is set to TV.

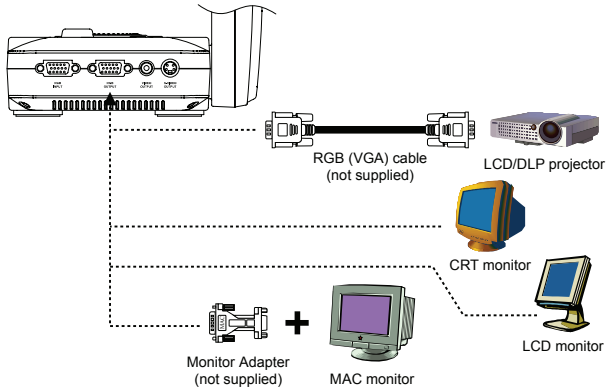


Connecting a VGA, Mac Display Monitor or LCD/DLP Projector

Locate the RGB (VGA) input port of the display device and connect it to RGB OUTPUT port of CP150. If you are not sure, please refer to the user manual of the device.

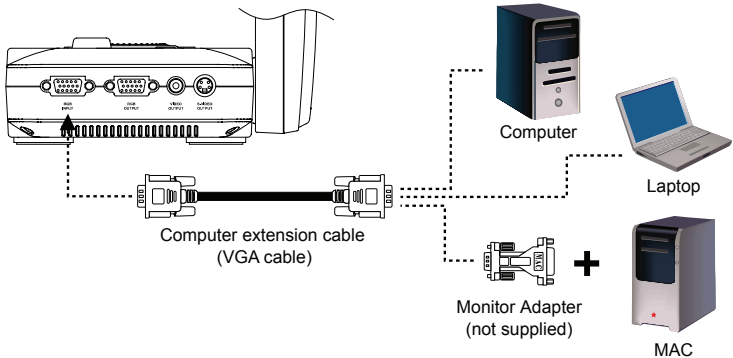


Make sure the TV/RGB switch is set to RGB.



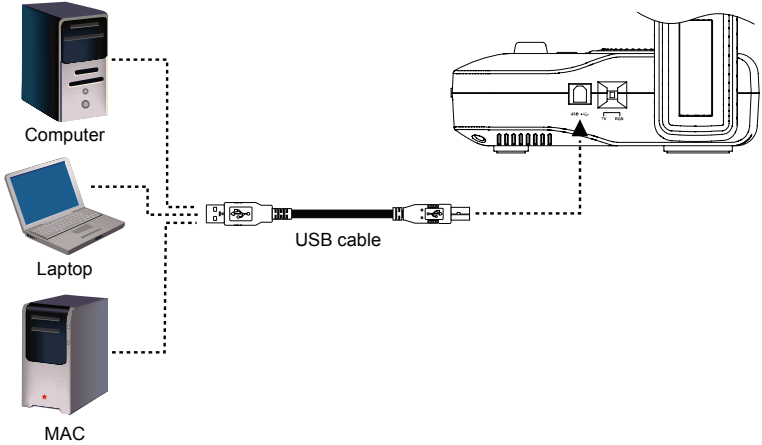
Connecting an IBM Compatible PC or Macintosh Computer

Locate the RGB video output port of the computer or laptop to display your PC presentation on screen and connect it to RGB INPUT port of CP150. The video signal from the RGB INPUT port is streamed to RGB OUTPUT port and displayed on the screen.



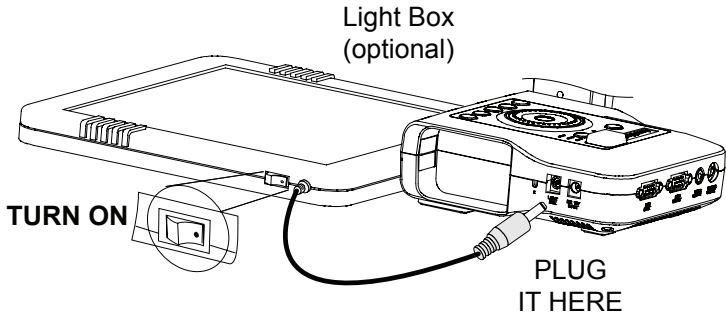
Connecting a Computer via USB Connection

Locate the USB port of the computer or laptop and connect it to USB port of CP150. This enables you to use CP150 as a USB Camera and to transfer the captured images from the memory and to computer. Also see "Transfer Image from AVerVision CP150 to PC".



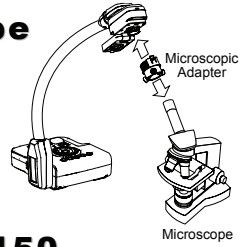
Installing the Optional Light Box

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



Connecting to a Microscope

Connecting the CP150 to a microscope enables you to examine microscopic objects on a big screen without straining your eyes.



Setting Up AVerVision CP150

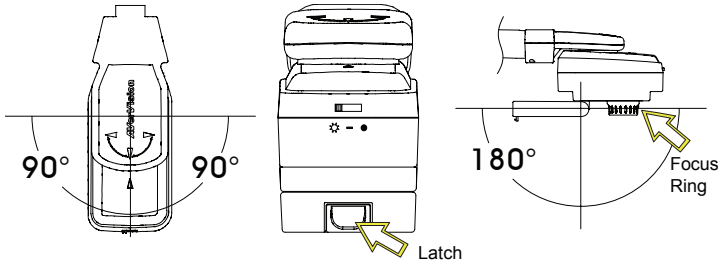
This section provides useful tips on how to adjust the CP150 to meet your needs.

Camera Head

The camera head can be turned 90 ° to the left and right. The latch must be pressed to open and unfold the LED light. You can also manually adjust the focus from the focus ring to improve the quality of the pictures.



Make sure to unfold the LED light fully.

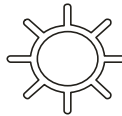


LED Light

The LED light provides white light and is best used when presenting in low light conditions.



Turn On

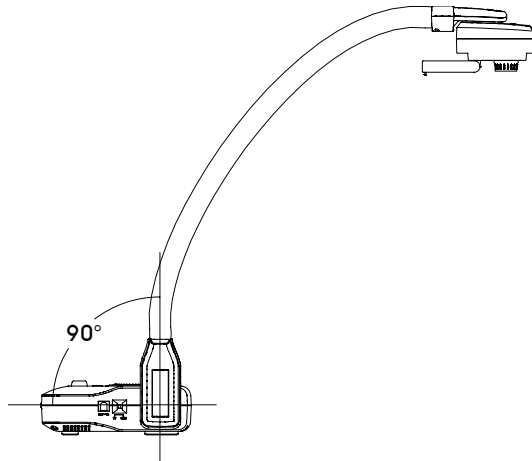


Turn Off



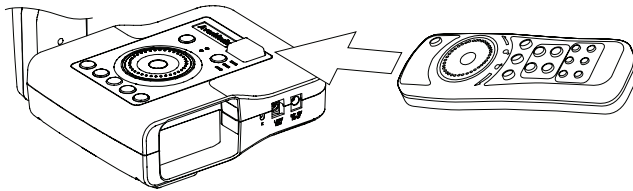
Flexible Gooseneck and Arm

The flexible gooseneck and arm design allows you to position the camera head from any angle.



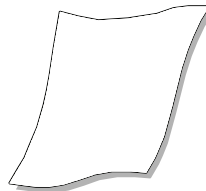
Infrared Sensor

Aim the remote control at the infrared sensor to operate the unit.



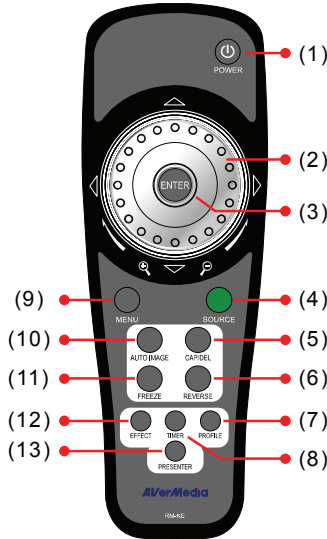
Anti-glare Sheet

The anti-glare sheet is a special coated film that helps eliminate any glare that maybe encountered while displaying very shiny objects or glossy surfaces such as magazines and pictures. To use, simply place the anti-glare sheet on top of the shiny document to reduce reflected light.



Using the Infrared Remote Control

Use the CP150 Remote Control to enhance your presentation by having the ability to switch between three (3) presentation modes and access various features. To use the remote control, first insert the batteries (2 “AAA” size batteries are provided) into the battery compartment at the back of the remote. Use the figure and descriptions below as a reference for remote control functions.

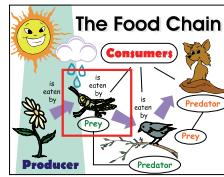


Name	Function
(1) POWER	Turn the unit on/off.
(2) Shuttle Wheel	<ul style="list-style-type: none"> - Turn the shuttle wheel clockwise to zoom in and counter-clockwise to zoom out the image in Camera and Playback mode only. When it reaches the maximum AVERZOOM level of about 200%, you can still continue to digitally zoom in the image up to 1600%. Press ENTER to return to normal view (100%). - Press the shuttle wheel ▲, ▼, ◀, & ▶ to pan the image while in zoom in mode, to make a selection on 16-thumbnail images or move to the next or previous single full screen preview in Playback mode, or to make a selection or adjustment on the OSD main-menu and sub-menu (See Menu Functions for more details).
(3) ENTER	Make a selection in Playback mode and OSD menu.

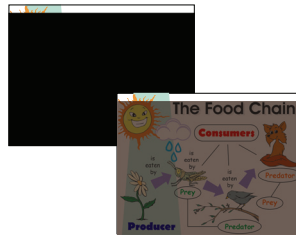
Name	Function
(4) Source	<p>Switch between Camera, Playback and PC mode.</p> <ul style="list-style-type: none"> - Camera mode displays the video signal from the built-in camera. - Playback mode displays the captured image from the built-in memory in 16-thumbnail images. Use ▲, ▼, ◀, & ▶ buttons to make a selection and ENTER to display the selected image in full screen. To start slide show press MENU and select START and press ENTER to begin and end. Select INTERVAL to set the display time interval between frames in second. - PC mode displays the video signal from the RGB INPUT port of CP150.
(5) CAP/DEL	<ul style="list-style-type: none"> - Capture a still image in Camera mode. The captured image is saved in the built-in memory at 1024 x 768 resolution and can store up to 80 images. - Remove the selected picture from the built-in memory permanently in Playback mode.
(6) REVERSE	Rotate the image by 180° in Camera mode only.
(7) PROFILE	Recall and switch from the 3 saved user setting profile selections (See MENU Functions – SAVE for more details).
(8) TIMER	Display the OSD timer menu and use ▲ or ▼ buttons to select SET TIME to set the time value, START to begin the countdown timer, PAUSE/RESUME to temporarily halt or continue, and STOP to end.
(9) MENU	Pull up and exit the OSD main-menu and sub-menu.
(10) AUTO IMAGE	Automatically adjust and set the white balance and exposure setting.
(11) FREEZE	Toggle to pause or resume the camera.
(12) EFFECT	Convert and display the image in BW, Negative or Color in Camera and Playback mode only.
(13) PRESENTER	<p>Select to turn on/off AVerBox or AVerVisor. Only one feature can be used at a time.</p> <p>AVerBox overlays a frame on the presentation screen. Selecting SHADE changes the opacity of the area outside the box from 0%, 50% and 100%, COLOR to change the frame color from red, green and blue, and RESIZE to change the size of the frame. To resize or move the frame around the presentation screen, press the shuttle wheel ▲, ▼, ◀, & ▶.</p>

Name	Function
------	----------

(13) PRESENTER

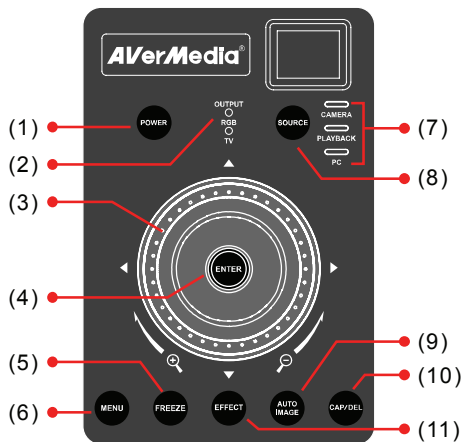


AVerVisor covers part of the presentation screen. The upper part of the presentation screen is slightly exposed when it is being called each time. To expose part of the covered area, press the shuttle wheel ▲, ▼, ◀, & ▶. Select **SHADE** to change the darkness of the shaded area between 50% or 100%.



Touch Button Control Panel

The touch button control panel located on the top side of the CP150 provides quick access to commonly used functions.

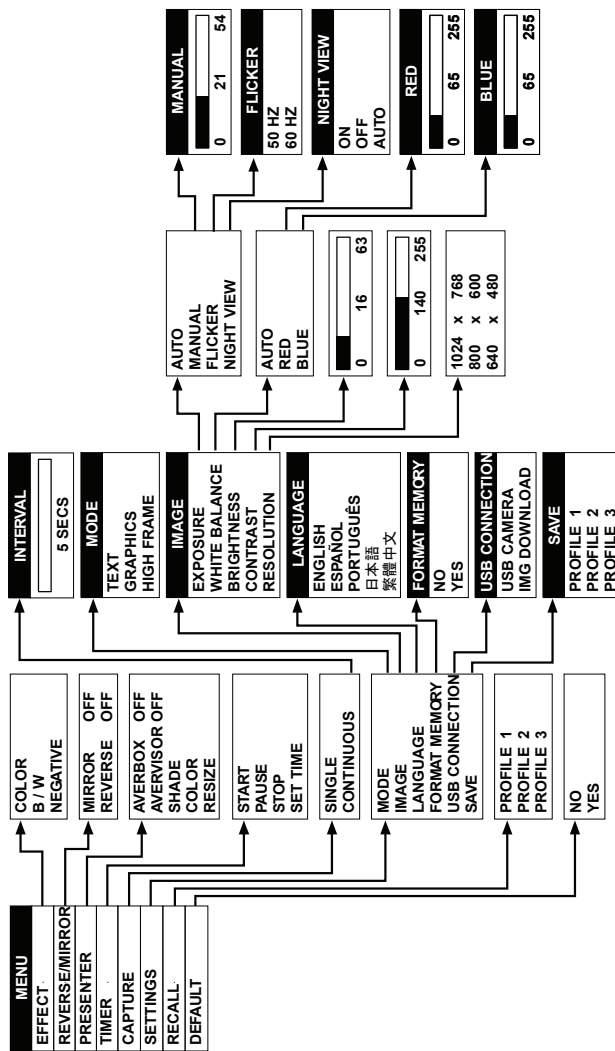


Function	Description
(1) POWER	Turn the unit on/off.

Function	Description
(2) Output LED Indicator	Indicate the setting of the TV to RGB dip switch to which the video signal is being sent out.
(3) Shuttle Wheel	<ul style="list-style-type: none"> - Turn the shuttle wheel clockwise to zoom in and counter-clockwise to zoom out the image in Camera and Playback mode only. When it reaches the maximum AVERZOOM level of about 200%, you can still continue to digitally zoom in the image up to 1600%. Press ENTER to return to normal view (100%). - Press the shuttle wheel ▲, ▼, ◀, & ▶ to pan the image while in zoom in mode, to make a selection on 16-thumbnail images or move to the next or previous single full screen preview in Playback mode, or to make a selection and adjustment on the OSD main-menu and sub-menu (See Menu Functions for more details).
(4) ENTER	Make a selection in Playback mode and OSD menu.
(5) FREEZE	Toggle to pause or resume the camera.
(6) MENU	Pull up and exit the OSD main-menu and sub-menu.
(7) Source LED Indicator	Indicate the source of the video signal or image.
(8) Source	<p>Switch between Camera, Playback and PC mode.</p> <ul style="list-style-type: none"> - Camera mode displays the video signal from the built-in camera. - Playback mode displays the captured image from the built-in memory in 16-thumbnail images. Use ▲, ▼, ◀, & ▶ buttons to make a selection and ENTER to display the selected image in full screen. To start slide show press MENU and select START and press ENTER to begin and end. Select INTERVAL to set the display time interval between frames in second. - PC mode displays the video signal from the RGB INPUT port of AVerVision CP150.
(9) AUTO IMAGE	Automatically adjust and set the white balance and exposure setting.
(10) CAP/DEL	<ul style="list-style-type: none"> - Capture a still image in Camera mode. The captured image is saved in the built-in memory at 1024 x 768 resolution and can store up to 80 images. - Remove the selected picture from the built-in memory permanently in Playback mode
(11) EFFECT	Convert and display the image in BW, Negative or Color in Camera and Playback mode only.



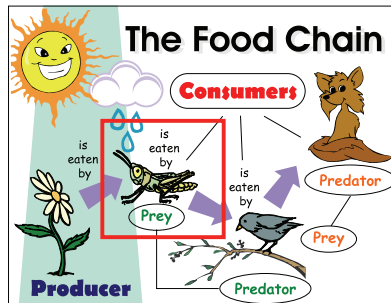
OSD Navigation Tree



Menu Functions

The MENU functions of CP150 enhance fine-tuning 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 **▶**/**ENTER** button to enter sub-menu and **◀**/**ENTER** to return to main menu. To adjust the setting, press **◀** or **▶** buttons. To make a selection, press **ENTER**.

OSD Menu	Description									
<table border="1"> <tr><td>MENU</td></tr> <tr><td>EFFECT</td></tr> <tr><td>REVERSE/MIRROR</td></tr> <tr><td>PRESENTER</td></tr> <tr><td>TIMER</td></tr> <tr><td>CAPTURE</td></tr> <tr><td>SETTINGS</td></tr> <tr><td>RECALL</td></tr> <tr><td>DEFAULT</td></tr> </table>	MENU	EFFECT	REVERSE/MIRROR	PRESENTER	TIMER	CAPTURE	SETTINGS	RECALL	DEFAULT	<p>EFFECT</p> <p>Press ▶ and use ▲ or ▼ buttons to select and display the image in Camera mode into positive (true color), monochrome (black and white) or negative. Then press ▶/ENTER to make a selection.</p>
MENU										
EFFECT										
REVERSE/MIRROR										
PRESENTER										
TIMER										
CAPTURE										
SETTINGS										
RECALL										
DEFAULT										
<table border="1"> <tr><td>MENU</td></tr> <tr><td>EFFECT</td></tr> <tr><td>REVERSE/MIRROR</td></tr> <tr><td>PRESENTER</td></tr> <tr><td>TIMER</td></tr> <tr><td>CAPTURE</td></tr> <tr><td>SETTINGS</td></tr> <tr><td>RECALL</td></tr> <tr><td>DEFAULT</td></tr> </table>	MENU	EFFECT	REVERSE/MIRROR	PRESENTER	TIMER	CAPTURE	SETTINGS	RECALL	DEFAULT	<p>REVERSE / MIRROR</p> <p>Press ▶ and use ▲ or ▼ buttons to select and turn on MIRROR to flip the image and REVERSE to rotate the image by 180° in Camera mode. Then press ▶/ENTER to make a selection.</p>
MENU										
EFFECT										
REVERSE/MIRROR										
PRESENTER										
TIMER										
CAPTURE										
SETTINGS										
RECALL										
DEFAULT										
<table border="1"> <tr><td>MENU</td></tr> <tr><td>EFFECT</td></tr> <tr><td>REVERSE/MIRROR</td></tr> <tr><td>PRESENTER</td></tr> <tr><td>TIMER</td></tr> <tr><td>CAPTURE</td></tr> <tr><td>SETTINGS</td></tr> <tr><td>RECALL</td></tr> <tr><td>DEFAULT</td></tr> </table>	MENU	EFFECT	REVERSE/MIRROR	PRESENTER	TIMER	CAPTURE	SETTINGS	RECALL	DEFAULT	<p>PRESENTER</p> <p>Press ▶ and use ▲ or ▼ buttons to select and turn on either AVERBOX or AVERVISOR. Only one feature can be used at a time.</p> <p>AVerBox overlays a frame on the presentation screen. Selecting SHADE changes the opacity of the area outside the box from 0%, 50% and 100%, COLOR to change the frame color from red, green and blue, and RESIZE to change the size of the frame. To resize or move the frame around the presentation screen, press the shuttle wheel ▲, ▼, ◀, & ▶.</p>
MENU										
EFFECT										
REVERSE/MIRROR										
PRESENTER										
TIMER										
CAPTURE										
SETTINGS										
RECALL										
DEFAULT										



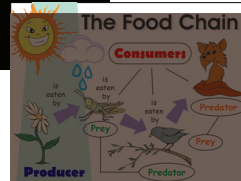
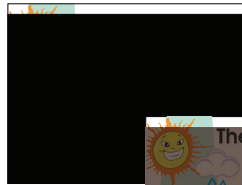
AVerVisor covers part of the presentation screen. The upper part of the presentation screen is slightly exposed when it is being called each time. To expose

OSD Menu

Description

MENU	
EFFECT	
REVERSE/MIRROR	
PRESENTER	
TIMER	AVERBOX OFF
CAPTURE	AVERVISOR OFF
SETTINGS	SHADE
RECALL	50% / 100%
DEFAULT	

part of the covered area, press the shuttle wheel ▲, ▼, ◀, & ▶. Select **SHADE** to change the darkness of the shaded area between 50% or 100%.



MENU	
EFFECT	
REVERSE/MIRROR	
PRESENTER	
TIMER	START
CAPTURE	PAUSE
SETTINGS	STOP
RECALL	SET TIME
DEFAULT	

TIMER

Press ▶ and use ▲ or ▼ buttons to select **SET TIME** to set the time value, **START** to begin the countdown timer, **PAUSE/RESUME** to temporarily halt or continue, and **STOP** to end.

MENU	
EFFECT	
REVERSE/MIRROR	
PRESENTER	
TIMER	
CAPTURE	SINGLE
SETTINGS	CONTINUOUS
RECALL	
DEFAULT	

CAPTURE

Press ▶ and use ▲ or ▼ buttons to select **SINGLE** or **CONTINUOUS** capture mode.

Setting **SINGLE** saves one still image only and **CONTINUOUS** saves successive still images until the built-in memory is full or when the **CAP/DEL** button is being pressed again to stop.

INTERVAL	
5 SECS	

In Continuous mode, use ▶ or ◀ buttons to increase or decrease the capture time interval between frames and then press **ENTER** to save the setting and exit. The time interval can be set from 5 to 600 sec.

MENU	
EFFECT	
REVERSE/MIRROR	
PRESENTER	
TIMER	
CAPTURE	
SETTINGS	MODE
RECALL	IMAGE
DEFAULT	LANGUAGE
	FORMAT MEMORY
	USB CONNECTION
	SAVE

SETTINGS

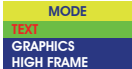






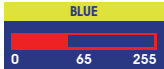

Press ▶, then use ▲ or ▼ buttons to select the items in **SETTINGS** list and press ▶/ENTER.

MODE	
TEXT	
GRAPHICS	
HIGH FRAME	

SETTINGS > MODE

Use ▲ or ▼ buttons to select between Text, Graphics and High Frame enhancement mode and then **ENTER** to make a selection.

- Text - corrects the intensity of the adjacent pixel making it more uniform producing sharper and clearer images.
- Graphics - adjusts the gradient of the adjacent pixel making it appear to have a smooth image.

OSD Menu	Description
 <p>MODE TEXT GRAPHICS HIGH FRAME</p>	<ul style="list-style-type: none"> High Frame - increases the frame rate capture and can visually track the motion and react quickly. Sufficient lighting is required when using this mode.
 <p>IMAGE EXPOSURE WHITE BALANCE BRIGHTNESS CONTRAST RESOLUTION AUTO MANUAL FLICKER NIGHT VIEW</p>	<p>SETTINGS > IMAGE > EXPOSURE</p> <p>Press ▶ and use ▲ or ▼ buttons to select between Auto, Manual, Flicker and Night View. Then press ▶/ENTER to make a selection.</p> <p>Select AUTO to automatically adjust the camera exposure to determine how much light is required.</p>
 <p>MANUAL 0</p>	<p>SETTINGS > IMAGE > EXPOSURE > MANUAL</p> <p>Press ▶/ENTER and use ◀ or ▶ buttons to manually adjust the exposure level then press ENTER to save the setting and exit.</p>
 <p>FLICKER 50 HZ 60 HZ</p>	<p>SETTINGS > IMAGE > EXPOSURE > FLICKER</p> <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.</p>
 <p>NIGHT VIEW ON OFF AUTO</p>	<p>SETTINGS > IMAGE > EXPOSURE > NIGHT VIEW</p> <p>Use ▲ or ▼ buttons to turn Night View ON, OFF or AUTO.</p> <p>If you are presenting in a low-light condition, Night View enables the image of the object to appear as though under normal lighting conditions. CP150 can automatically adjust the exposure to compensate for the adverse condition, but the captured image will appear to be in slow motion.</p>
 <p>IMAGE EXPOSURE WHITE BALANCE BRIGHTNESS CONTRAST RESOLUTION AUTO RED BLUE</p>	<p>SETTINGS > IMAGE > EXPOSURE > WHITE BALANCE</p> <p>Press ▶ and use ▲ or ▼ buttons to select between Auto or manually adjust the Red and Blue color to suit the lighting condition or color temperature. Then press ▶/ENTER to make a selection.</p>
 <p>RED 0 65 255</p>	<p>SETTINGS > IMAGE > EXPOSURE > WHITE BALANCE > RED</p> <p>Use ▶ or ◀ buttons to manually adjust the red color level then press ENTER to save the setting and exit.</p>
 <p>BLUE 0 65 255</p>	<p>SETTINGS > IMAGE > EXPOSURE > WHITE BALANCE > BLUE</p> <p>Use ▶ or ◀ buttons to manually adjust the blue color level then press ENTER to save the setting and exit.</p>
 <p>IMAGE EXPOSURE WHITE BALANCE BRIGHTNESS CONTRAST RESOLUTION 0 16 63</p>	<p>SETTINGS > IMAGE > BRIGHTNESS</p> <p>Use ▶ or ◀ buttons to increase or decrease the brightness level and improve the visibility of the image. The brightness level can be set up to 63.</p>

OSD Menu	Description
	<p>SETTINGS > IMAGE > CONTRAST</p> <p>Use ► or ◀ buttons to emphasize or reduce the difference between light and dark conditions. The contrast level can be adjustable up to 255.</p>
	<p>SETTINGS > IMAGE > RESOLUTION</p> <p>Press ►/ENTER and use ▲ or ▼ buttons to choose from different display resolutions then press ►/ENTER to make the selection.</p> <p>This selection will not be available in TV output (Composite/S-Video)</p>
	<p>SETTINGS > LANGUAGE</p> <p>Use ▲ or ▼ buttons to select from different languages then press ► to make the selection.</p>
	<p>SETTINGS > FORMAT MEMORY</p> <p>Use ▲ or ▼ buttons to select NO to exit or YES to format and delete all the images saved in the built-in memory then press ►/ENTER.</p> <p>Please wait till the message "FORMAT" disappear to finish the process.</p>
	<p>SETTINGS > USB SELECT</p> <p>Use ▲ or ▼ buttons to select the USB function between PC Camera and Image Download.</p> <ul style="list-style-type: none"> • USB Camera - can be used as a computer webcam or with our bundled software as video recorder and capture still image. • Img Download - transfer the captured images from the built-in memory to computer hard disk.
	<p>SETTINGS > SAVE</p> <p>Use ▲ or ▼ buttons to select which user setting profile number to save your preferred setting. Only effect, mode, brightness and contrast settings can be saved.</p>
	<p>RECALL</p> <p>Press ► and use ▲ or ▼ buttons to select from the list to change to the preferred saved user setting profile number then press ►/ENTER to make the selection.</p>
	<p>DEFAULT</p> <p>Press ► and use ▲ or ▼ buttons to select YES to restore to original factory default setting or NO to exit then press ►/ENTER to make the selection.</p>

Transferring the Captured Images to PC

This enables you to transfer the captured image from the built-in memory to PC.



The instruction below **MUST** be read and followed **BEFORE** connecting the USB cable.

1. **MUST** set the USB CONNECTION as IMG DOWNLOAD before connecting the USB cable.

To set the USB CONNECTION as IMG DOWNLOAD, press **MENU** > select **SETTING** and press (▶), select **USB CONNECTION** and press (▶), select **IMG DOWNLOAD** and press (▶/ENTER), and **MENU** to close the OSD menu.

2. When “IMG DOWNLOAD” appears at the lower right corner of the presentation screen, you may now connect the USB cable.
3. Upon connecting the USB cable, the system automatically detects the new removable disk. You may now transfer the captured image from AVerVision CP150 built-in memory to PC hard disk.

Troubleshooting

This section provides many useful tips on how to solve common problems while using the CP150.

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, please check and switch the document camera source to PC Mode.

I have set up the CP150 and checked all the connections as specified in the manual but I cannot get a picture on the preferred presentation screen.

1. The unit POWER button turns orange in standby mode. Press the POWER button again to turn on and the LED light will turn blue.
2. The default camera display resolution setting is on 1024x768. If your output device does not support this resolution; no image can be projected. Simply press hold the MENU and ▶ button to the increase or decrease the resolution setting.
3. If your display output device is TV or any analog device, please switch the TV-RGB dip switch to TV.

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

1. Reset all changed settings, if any, to the original manufacturer default setting (Refer to the Menu Functions for more details and steps).
2. Use the Brightness and Contrast menu functions to reduce the distortion if applicable.
3. If you discover that the image is blurry or out of focus, adjust the focus ring on

the camera head.

There is no computer signal on presentation screen.

1. Check all the cable connections among the display device, CP150 and your PC.
2. Connect your PC to the CP150 first before you power on your computer.
3. Make sure to switch your laptop to output display on external display device.

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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 of the warranty card, AVerMedia Information, Inc.

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