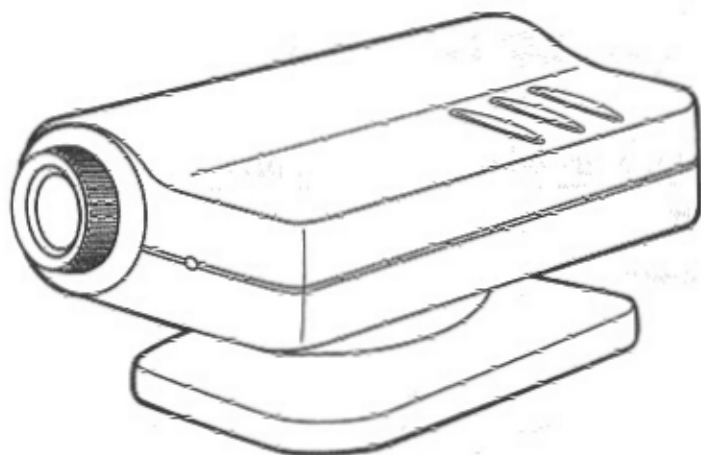


Panasonic®

Desktop Color Video Camera

PM-A110



Operating Instructions

Before attempting to connect, operate or adjust this product, please read these instructions thoroughly.

Things You Should Know

You have purchased one of the most sophisticated and reliable products on the market today. Please take time to fill in the information below. The serial number is on the tag located on the underside of your Camera. Be sure to retain this manual as your convenient Camera information source.

Date of Purchase	_____
Dealer Purchased From	_____
Dealer Address	_____
Dealer Phone No.	_____
Model No.	_____
Serial No.	_____

Avoid the following operating and storage conditions:

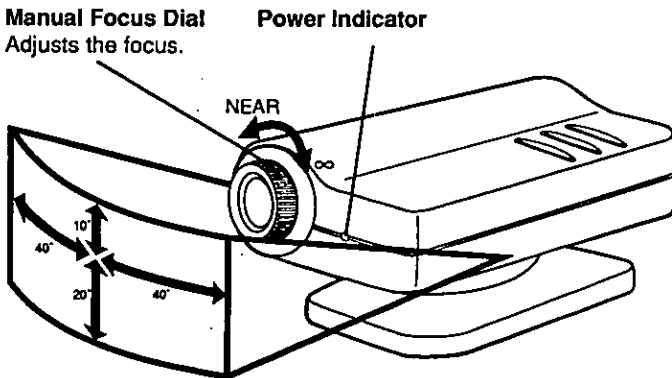
- Extreme temperature (Operating temperature: 0 – 40 °C/32 – 104 °F)
- Humid and/or dusty location
- Location exposed to rain or moisture
- Location where there is vibration
- Near strong magnetic fields (television set or radio transmitter)

Care:

- Never allow strong light, e.g. sunlight, to enter through the lens in power on or off condition.
 - Use a blower to clean the lens
 - Use a soft cloth to clean the chassis of the camera. You may use a soft cloth (absorbed with diluted mild detergent) to clean the chassis. Do not use any other chemicals (alcohol, benzene, etc.). They may damage the camera.
- In the event of any problems with the operation of the camera contact your local service representative.

Index of Controls and Connections

Front View

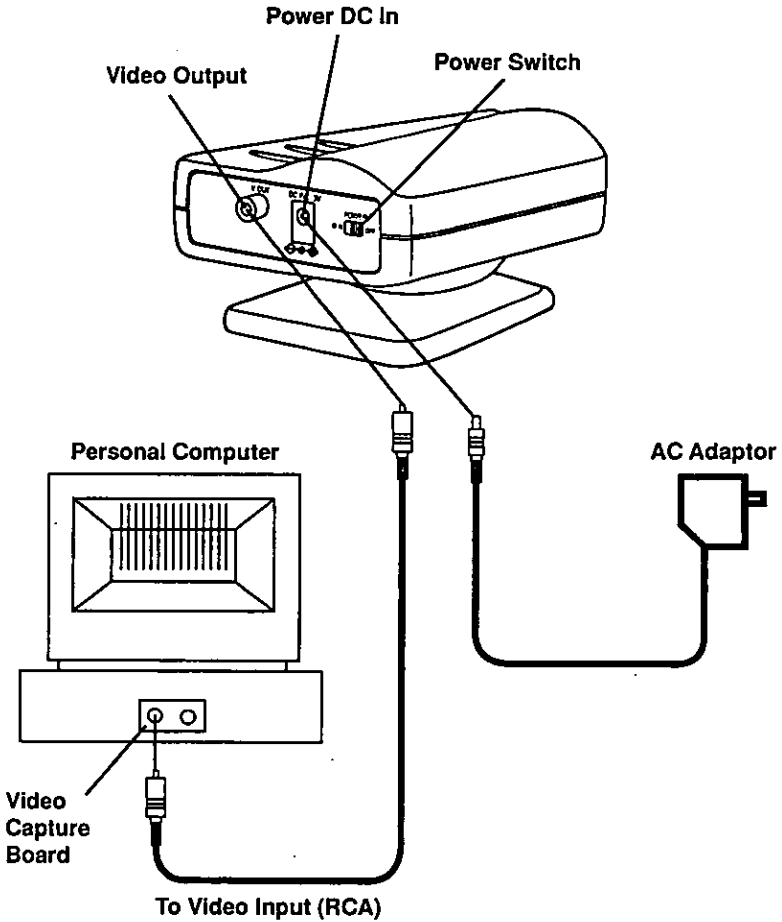


Pan/Tilt Adjustment

Pan angle: 40° (Right)/40° (Left)

Tilt angle: 10° (Upward)/20° (Downward)

Rear View



Note:

- There is a slight possibility of periodic color distortion if the camera is aimed directly at fluorescent light.
- While not in use, unplug the AC Adaptor from the AC outlet. (When plugged into an AC outlet, the AC Adaptor consumes 2.5W of electric power when not in use.)

Information

This equipment 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 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 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.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Specifications

Lens		
Focal length	4.4 mm	
F-stop	2.8	
Focus	Fixed focus (Focusing area: 5 cm – ∞ cm/2 inch – ∞ inch approx.)	
Iris	Electronic Shutter Type	
Pick-up System		
Image device	1/4 inch CCD	
Pixels number	270,000	
Ambient Light Level		
	10 lx – 4,000 lx	
White balance		
	Automatic (Control range: 3,000 k – 5,500 k)	
Exposure		
	Automatic (Automatic Electronic Shutter Control)	
Output signals		
Video Output signal	NTSC Composite	
Video Signal-to-Noise ratio	40 dB	
Video Horizontal Resolution	320 TV lines (center portion)	
Power line		
Color CCD Camera	Power voltage	6.3 V DC
	Power consumption	1.8 W approx.
AC Adaptor	Input	120 V AC
	Output	6.3 V DC
	Power consumption	4.3W
		2.5 W (when not in use.)
Environment		
Operating temperature	0 – 40 °C/32 – 104 °F	
Operating humidity	10 % – 75 %	
Weight and dimensions		
Weight	120 g approx./0.26 lbs approx.	
Dimension	54 (H) X 75 (W) X 108 (D) mm	
	2.13 (H) X 2.95 (W) X 4.25 (D) inch	

*Design and specifications are subject to change without notice.