Hi~

Canon STILL VIDEO CA MERA ~C.250

XAP~I-I(]T

RC-250

\!b:::::E::,-;;-__-::H:i9~hh--Band Hi~

Q DREC

r;:|:--.|---~

Thank you for purchasing the Canon Still Video Camera "Xap Shot" RC-250, an entirely new camera that takes pictures, displays them and erases them as you wish Please read these instructions carefully before using the camera and keep them in a readily accessible place for future reference

Keep the front and back pages of this manual opened for easy reference to the camera's parts .

This product is sold under the name "Q-Plt RC-250" in Japan.

Main Features

- 1. Shoot and show
 The Xap Shot record
 a video floppy diskately displays topon a TV screen ea
- 2. High disk capacity Fifty pictures can I a two-inch video fle
- 3. Shooting and editir
 During shooting, d
 changed at any
 skipped tracks car
 over for maximum
 erasing and skip I
 are fast and simple
- 4. Macrophotography Shoot ,close-ups fi

Names of Parts (1)

Macro Selector

Lens

White Balance Window

Hi~ is the standard symbol recognized for t r e still video floppy s

with the RC-250.llmages recorded in the high-band format cannot be displayed on a player vages not recorded in the high-band format will not be displayed properly.

System Components

To TV ter

- RC-250
- R Wrist Stra
- © Dattery C
- @ AC Coun
- (j) Mini Plug-
- @ Pin Cable
- Wideo Flo
- * Items @

You need a battery pack BP-4P or a battery charger BA-24P plus an AC coupler AV -C25 to take pictures and display them.

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Precautions

- This camera is not waterproof. If you splash water on it or expose it to sea breezes, wipe it thoroughly with a clean dry cloth.
- Do not leave the camera in direct sunlight, or other places where the temperature can get extremely hot, such as the trunk or rear window shelf of a car.
- Avoid using or storing the camera in places where dust or sand car damage it.

- Never attempt to disa camera.
- Always use a soft clot camera.
- Handle the camera venot subject it to unner that may damage the If you do not plan to ufor a while, remove and store it in a well-vand dry place. Be sur Battery Pack BP-4P are six months



- Video floppy disk precautions
- Keep the disk in its case when not in use.
- Do not leave a disk loaded in the camera for a long time.
- If the dustproof shutter opens by accident, close it immediately. Never touch the disk inside.
- Do not put video floppy disks near a motor, or electronic devices which generate strong magnetic fields

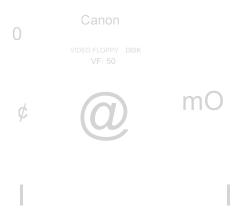
- Do not leave disks
 in a car trunk or other p
 the temperature or hum
 come very high.
- Keep disks away from du
- Do not bend or drop them from strong vibrat

Video Floppy Disks

(1) What is a video floppy disk?

A video floppy disk is a two-inch floppy disk which conforms to worldwide standards. One disk has 50 recording tracks and the RC-250 records one picture in each track . Tracks are numbered from 1 to 50.

Use the Canon Video Floppy Disk VF-50 with the RC-250



(2) Erasure Preve

- The recorded video floppy c to record new images over after erasing old ones.
 ing the erasure prevention ed images cannot be erase
- Break off the tab to prevent erasure.
- If a disk without an erasure is covered by the seal inclulophane tape at the tab por used again for recording or

Seal Placement
Put a sea
_ {(inside this

Erasure

1. Power Source

The RC-250 can be pow Battery Pack BP-4P for connection to a wall outlor viewing pictures at ho

(1) Battery Pack Bp·4P

Install the battery as shown below.

- 1. Set the main switch to LOCK.
- 2. Remove the battery cover.
- 3. Insert a fully charged battery in the direction of the arrow.
- 4. Repla cover

- A new, fully-charged battery takes approximately 800 shots without fla use , or 200 300 shots if flash is used for about one in every four r
- Pictures can be viewed on a TV screen for 10-15

(Based on Canon's Standard Tes

- Battery life reduces in low temperatures
- We recommend that you always have a spare battery handy when operation between battery battery

Battery Pack Bp·4P Precautions

- The battery must always be fully charged before use. Be sure to read the handling instructions for the battery and the battery charger.
 Be sure to charge the Battery Pack BP-4F with the Canon Battery Charger BA-24P (or BC-24P).
- Set the main switch to LOCK before removing the battery from the camera.
- If you do not plan to use the battery, store
 it in a dry, dark and cool place. Do not forget to charge the battery at least once every six months .
- If the battery is damaged and battery fluid (electrolyte) should come in contact with your clothing or skin, wash it off immediately with plenty of water. If the fluid contacts eyes or mouth, wash it out immediately with plenty of water and se.e a physician

- Carefully observe the folic to avoid danger:
 - Never connect (shor and negative (-) te
 - Never attempt to disas
 - Never dispose the batt
 - Always keep the batte of children.
- Observe the following pre damage or deterioration
 - Do not drop the b
 - The battery pack BP-4 with the RC-250. Do equipment.
 - Refrain from using the temperatures below 23 (-5°C or above +40°C)

(2) Power from a Wall Outlet

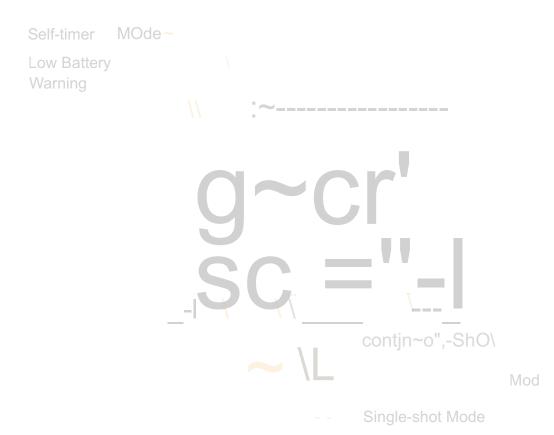
Connect the camera, the battery charger, and the AC coupler as shown

See the Battery Charger and AC Coupler manuals for its connection

^{*} The coupler terminal on BA-24P only accepts the AV-C25 . Other attachr a fire hazard.

2. Display Panel

The display panel indicates necessary information for recording erasing pictures.



Warnings in the Display Panel

00 : (00 blinking) A video floppy disk is not loaded.

Pr: (Pr blinking) The erasure prevention tab is broken pears only in recording or erasing modes)

50: (50 blinking) All tracks have been recorded (apprint in recording mode). This warning appears wher 50th track is recorded even if other tracks may used. See page 22 about recording pictures on or erased tracks.

g: (g flashing) The battery power is low.

Lb: (g and Lb flashing) Replace the battery immedia The camera will not function.

Er: (Er flashing) Error exists. Press the shutter buttomove and re-insert the video floppy disk. If Er ses, try another disk. If the camera still does not normally, consult your dealer or nearest Canon Facility.

3. Inserting a Video Floppy Disk

- 1. Press the disk eject button to open the disk cover.
- 2. Insert a video floppy disk as shown below.
- 3. Clos

- * Disks will not go in any other positi oo.Do not force them in .
- * Press to rem will po disk co
- * When carefu

4. Taking Pictures

(1) Regular Shooting

- 1. Set the main switch to REC.
- 2. Press the shooting selector and set the mode .

- The first usable track number appears in the display panel. It increases as you take pictures.
- Good pictures require that the lens be clean at all times. Wipe it with a lens cleaning paper before taking pictures.
- The mode indicator in the panel changes from S the each time you press the mode selector.

Mode	Description	Display' panel
Single-shot	Takes one picture each time you press the shutter button .	0
Jcontinuous- shot	Takes approximately 3 pictures per second while the shutter button is pressed.'	CIJ
Self-timer	Shutter release is delayed for about 10 seconds to put yourself in the picture.	~

3. Look through the vi and compose the r

* Display indication when the new video floppy disk is inserted

** The continuous shooting speed decreases when taking flash photos.

The shooting distance rang 3.3ft11 m to 00 (infinity) Macro photos, kee ~ away from the subject for \$

The camera has a built-in of ment ring. If you are near-turn the adjustment ring ur the image clearly.

- 4. Press the shutter button halfway. If the red light does not blink in the viewfinder, the camera is ready. Press the shutter button completely to take a picture.
- 5. If the red light b times per secon press the shutte way, switch to 1 phy. (See page

- * A small click will sound when you press the shutter button halfway indicating that the motor has started Press the button completely to take the picture . A " cl ick-click " sound will be heard as the shutter is released.
- * The red light blin' second) in the followi
 - · A disk is hot loaded
 - Disk is fu II.
 - Disk wit ha broken erasure
 - The main sw ilch is at PLAY.
 - The battery warn ing appears

Holding the camera

- Keep your elbows close to your body.
 Press the shutter button slowly and keep the camera still.
- During shooting , be careful not to block the flash or lens with your fingers .
- Before shooting important events, always perform a trial shooting to confirm normal operat ion .

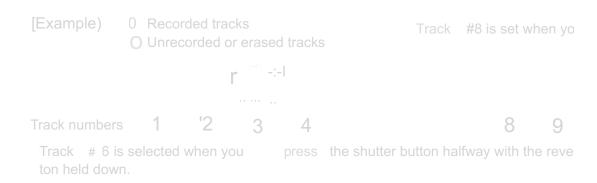
(2) Skip/Insert shooting

You can take

- Skipping tracks
- 1. Insert a new or partially recorded video floppy disk in the camera.
- 2. Set the main switch to REC.

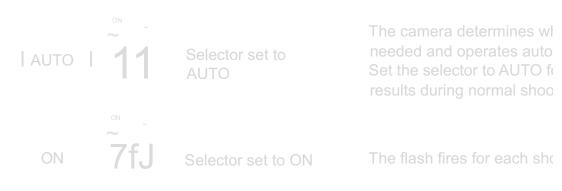
 The first available track will be set.
- 3. Holding the forwaton down, pressibutton halfway. Naken and the netrack will be set, steps to record pempty tracks rank

- Recording pictures on partially erased or skipped tracks
- Insert a video floppy disk in the camera and set the the main switch to REC. The track next to the recorded track having the highest number will be set.
- 2. Holding the reverse feed button down, press the shutter button halfway. The track number counts down and the first available track will be set. Repeat these steps as you wish and record pictures on erased or skipped tracks.



(3) Flash Photography

The flash provides additio surroundings. There are three operate



Press the shutter button halfway, wait for thing red light to remain continuously lit, and

The flash shooting range is 3.3ft - a (1 m - approx. 3m).

* The red light blinks irregularly indicating the flating charged. The shutter will not release until stops blinking.



Blinking - Remains lit

OFF	OFF	The flash does not fire.
(1) If the red lig blinks slowly,	ght in the viewfinder	Shoot after setting the f tor to AUTO or ON.
(2) If you are taking pictures in a museum, theater, etc., where flash use is prohibited,		Shoot with the flash sel
		Please note that pictu

This camera does not have a fill-in flash feature. When you are taking pictur of backlit subjects use the exposure compensation button explained in the n section.

(4) Shooting Backlit Subjects

(Exposure Compensation

If the subject has a strong light source coming from behind, it will appear dark in the picture. Press the shutter button while holding the exposure compensation button down. These situations include a subject in front of a bright window or outdoors with the sun shining from behind. To minimize subjects from appearing dark use this function.

The exposure compensal plies approximately sation .
Set the flash selector to 0

(5) Macro Photography

1. Press down and slide the macro selector in the direction of the arrow. You can take close·up μ insects, etc., 12in./30cm

2. Shoot at the posit 130cm from the The distance is the Macro selector

Macro Indicator

A red macro indicator appears on the right side of the viewfinder.

* After macrophotograp get to return the macr normal position.

In macro flash photography some subie~ts may appear overexposed due to their shot is too light, set the flash selector to OFF and use a different light source.

^{1.} Shiny objects, e.g., metal or glass

^{2.} Printed material or photographs for copying

^{3.} White or very light colored subjects

(6) Self-timer Photography

- 1. Press the mode button until appears in the display panel.
- 2. Look into the viewf pose the picture, a shutter button con

The Action Grip (sold separately) is required to attach a tripod.

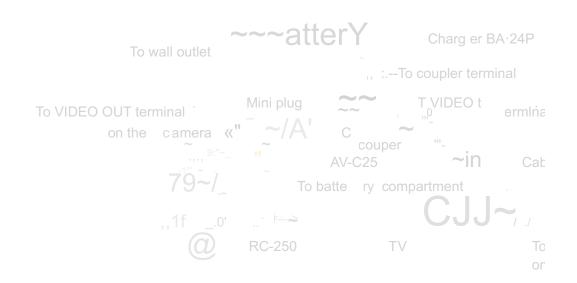
The self-timer indicator 10 seconds before the pic It blinks faster for about 2

* To cancel the self-timer switch to LOCK, or chaing mode.

5. Viewing Pictures

(1) Connecting the Camera to a TV

When using a wall outlet via the AC coupler and the battery charger.**~ecting** the camera to a TV with a video in terminal



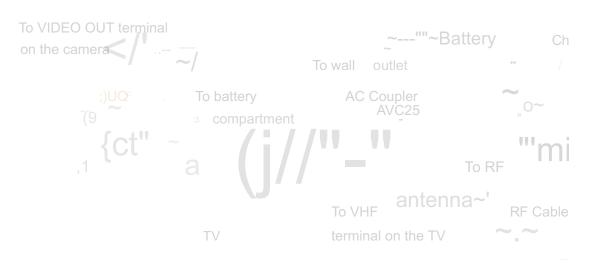
- Connect the VIDEO terminal on the AC Coupler AV-C25 (battery charger side) and the VIDEO IN terminal on the TV with the Pin Cable KE-PIN.
- 2. Connect the mini plug pler AV,C25 to the VID nal on the camera.
- 3. Turn the TV ON and se selector to Video.

Connecting the camera to a TV without a video-in

term

Use the Canon RF Unit RF-301 (sold RF-301 for connection.

separately). See the instruction r



Never connect any plug other than the specified mini plug, on the KE-M2P c coupler to the VIDEO OUT terminal on RC-250.

The coupler terminal on BA-24P only accepts the AV-C25. Other attachments may create a fire hazard.

When using the Battery Pack Bp·4P
Connect the camera to a TV as shown here.

Turn the TV ON and set the TVIVideo selector to Video

* For extended viewing and erasing of pictures, use the AC coupler and the battery charger.

Be sure to remove th Cable KE-M2P when

(2) Viewing / Pictures

- 1. Load a recorded video floppy disk in the camera.
- 2. Set the main switch to PLAY.
- 3. Press the forward for to advance to the read and press the reverton to go back.

Track number "1" appears in the display panel and the picture recorded in the first track of the disk is shown on the TV

The screen shows the next pi you press the forward or reve Pictures keep changing (4 r cond) when you hold the

^{*} The picture does not change even if you press the forward-feed button when the curred number is 50 or the reverse-feed button when the current track number is 50 or the reverse-feed button when track number is 50 or t

^{*} If pictures do not appear on the screen, see page 38.

4. After viewing pictures

Playback is automatically the same image is shown minutes, when using the b 15 minutes when using the er and AC coupler. Playba pressing the shutter buttor

- Do not forget the automatic when making prints. You c ing without interruption by shutter button halfway beffeature activates
- Please note that the pictudecrease slightly when tader a very warm temperating pictures after viewing

Press the disk eject button and remove the video floppy disk from the camera, or set the main switch to LOCK.

Scanning Mode Selector
This selector is located on the bottom of the camera and used to switch the scanning mode to the interlace or non-interlace format during playback.
It is set to Non-interlace at assembly. Set it to Interlace when the camera is connected to video equipment that only accepts interlace output, i.e., a video printer or a digital TV.

Non-interlace

Rem ove t he cap to switch the selector.

Make the same connection

6. Erasing Pictures

- 1. Load a video floppy disk in the camera.
- 2. Set the main switch to IERASE I (PLAY).
- 3. Press the forward feed or reverse feed button until the picture to be erased appears on the TV screen.

4. With the mode bu down, press the sall the way.

The picture disappears from and the track number panel blinks twice . The thoremakes the picture of the picture of the picture disappears from the picture disappears from

* Do not press the di disconnect the power b finishes . Otherwise t not be erased complete

7. Troubleshooting Chart

If the camera fails to work normally, refer to the chart given below. persists, consult your dealer or nearest Canon Service

Facility

Problem	Cause	Action
The camera does not work at all.	The battery power is low.The battery is loaded incorrectly.Poor battery connection.	Reload the fully charged correctly. Wipe the terminals with a cloth and reload the b
	 The AC cou pier and battery charger are not connected cor- rectly 	Correct connections.
	 The battery cover is not closed. The power plug is disconnected.	Close the battery cover seconnect the power plug
The shutter does not release.	The main switch is not at REC.The battery is not loaded or low.	Set the main switch to Load a fully-charged trectly.
	 A video floppy disk is not loaded. 	Load a video floppy disl
	The disk is full.The erasure prevention tab is broken.	Load a new video floppy Load a new video floppy cover the tab area with a tape.

Pictures cannot be viewed.

- A TV is not connected correctly to the camera.
- The main switch is not at PLAY
- Video flopp v disk is blank.
- The automatic stop feature is activated.
- The TVIVideo switch of the TV, RFIVideo selector of AC coupler or the channel swit ch of the RF unit is not set correctly.

Pictures cannot be erased.

- The main switch is not at ERASE (PLAY).
- The erasure prevention tab of the video floppy disk has broken off.

look clear.

- A motor or other noise source is near the camera or the TV.
- The video floppy disk is defective.
- The video head is dirty

Correct connections.

Set the main switch to P Load a recorded video Press the shutter button

Set switches correctly.

See the instruction ma

TV, AC coupler or F

Set the main switch (PLAY).

Cover the tab area w

Remove the noise sou

If there are no problem different disk is used the disk might be dam not use defective disk: Clean the video hear

resulting in a fuzzy screen display or Head Cleaning Disk VF-CD. Read the instruction manual for the cleaning disk carefully before using it.

The video head may be worn if cleaning ing quality. A worn video head needs to

form . This is called conc may cause trouble. To pre until they are dry

display panel. Lack of cor may occur after about 5 y ice Facility for replacemen become dark at high temp (about 60°C/140°F). Norm

8. Specifications

Recording

Type: Lens-shutter still video camera

mage Pickup Element: CCD image sensor

Screen Size: 6.4(H) x 4.8(V)mm (equivalent to the

image pickup tube)

Recording System: Complies with the high-band format of tl

video floppy system; field recording of 5

Recording Medium: Video floppy disk

Lens: 11 mm f/2.8 fixed focus (equivalent to 60

35mm camera)

Shooting Range: 1.0m - oo/30cm from the imaging

photography

Viewfider

Type: Real image secondary imaging finder

dioptric adjustment from - 4 dio

diopter

Magnification: XO.55

Shutter

Type: Programmed shutter; also serves a

blades

Light Metering System: Feedback AE with external metering

and CCD signal

Exposure Control: Programmed AE (1/30sec f/2 .8 - 1/4

Metering Range: EV 8 - 18 (at ISO 100)

40

Exposure Compensation: + 1.5 EV approx.

White Balance: Automatic tracking system by external sen Shooting Modes: Single-Shot

Continuous Approx. 3 pictures/sec
Self-timer Appro x. 10-second delay
Built-in Flash:
Light amount adjusting type with three mo

(AUTO/ON/OFF)

Guide Number: 23·ft/7·m (at ISO 100)
Flash Coupling Range: Within appro x. 10ft.l3m

Playback

System: Complies with the high-band format of still floppy system .

Medium: Video floppy disk

ideo Signal: NTSC color, EIA standard

Output: Video signal: 1Vp-p 750 unbalanced (<1>2

Horizontal Resolution: Recording/playback: 300 TV lines

Playback: 400 TV lines asing Time: Appro x. 1.5 sec per picture

isplays: V,iewfinder:

LED indicator remaining lit or blinking (out luminance coupling ; flash charging/c tion; errors) Macro photography Indicator

LCD panel:

Power Source:

Tripod Socket:
Operating Temperature
and Humidity:
Dimensions:
Weight:

- 7-segment digit and character display number, disk condition, error)
- Shooting mode display
- ② Low battery warning/battery replacer warning

Lead storage battery Canon Battery Pacl (8V, 200mAh); takes approx . 800 p ly charged (at normal temperature withou use); displays pictures for 10-15 minutes ously ; takes approx . 200 - 300 pictu flash usage (Based on Canon's standard method.)

Provided on the action grip AG-C25 (opti 32 ° F - 104 ° F (0 ° C - +40 ° C) 90 %

5-9/16 " \times 1-3/8 " \times 4-3/16 " (142 \times Approx . 14.8 ozs (420g) (without batte (All data based on Canon's Standard Tes

- Subject to change without notice
- Viewing by RC-2S0 can only be done on forIT\at TV_

FCC NOTICE

This equipment has been tested and found to comply with the limits for a (ing device in accordance with the specifications set forth in Subpart J of Part 15 of th Rules . If this equipment does cause interference to radio or television receive determined by turning the equipment on and off, use the equipment in If necessary, the user should consult the dealer or an experienced radician for additional suggestions . The user may find the following booklet pre Federal Communications Commission helpful:

" INTERFERENCE HANDBOOK"

This booklet is available from the U.S. Government Printing Office. Washington, DC 2 Stock No . 004-000-00450-7 .

DOC NOTICE

This digital apparatus does not exceed the Class B limits for radio noise em digital apparatus set out in the Radio Interference Regulations of the Ca of Communications .

The senal number of this product may be found on the bottom. No others have as yours. You should record the number and other vital information here and retain nent record of your purchase to aid identification in case of theft.

Date of Purchase
Dealer Purchased From
Dealer Address
Dealer Phone No.
Model No. RC-250
Serial No.

COPYRIGHT WARNING: Unauthorized recording of copyright materials may be in violation of cop

Accessories

Following accessories are available from Canon for extending the use of your

- * Accessory Kit AK-C25
 - Battery Charger BA-24P
 - Battery Pack BP-4P
 - AC Coupler AV-C25
 - Mini Plug-Pin Cable KE-M2P
 - Pin Cable KE-PIN
 - Video Floppy Disk VF-50
- Action Set AS-C25
 - Action Grip AG-C25
 - Teleconverter TC-C2513
 - Soft Case (for teleconverter) SC-C13

Action Set AS-C2

• Other Accessories

 System Bag SB-C25 (for the RC-250 with Action Set AS-C25 and Accessory Kit AK-C25)

System Bag SB-C25

- RF Unit RF-301 (for connecting AC Coupler to a TV without a VI DEO IN terminal)
- Connecting Cord KE-M23 (for con necting to a liquid crystal-TV; has a 2.5mm ¢ plug for the RC-250 and a 3.5mm ¢ plug tor the liquid' crystal -TV)

Names of Parts (2)

not a tripod socket.

The small hole on the bottom of the camera is for attaching the Action Grip

The following items are enclosed with your "RC-250" camera package. Pleas firm that you have them when unpack. i ng the box.

Wrist Strap WS·C25 Attach as shown.

Soft Case SC·C25

Warranty

CANON INC. 7-1, N ishi·Shin j u ku 2·Cho $\,$ me , Shinjuku·ku $\,$, To kyo $\,$ 163, Japan CANON U.S.A., INC. HEADQUARTERS CANON U.S.A., INC. ATLANTA OFFICE CANON U.S.A., INC. CHICAGO OFFICE CANON U.S.A., INC. LOS ANGELES OFFICE CANON CANADA INC. MONTREAL SERVICE CENTRE