

CX4300 (NT) 再校



SONY

3-080-162-11(1)

Digital Video Camera Recorder ^{MiniDV} Digital Video Cassette

Operating Instructions

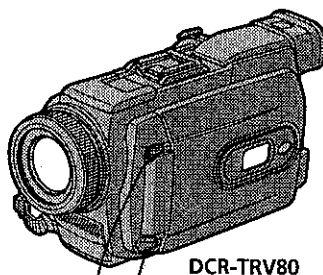
Before operating the unit, please read this manual thoroughly, and retain it for future reference.

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. **DCR-TRV** _____ Model No. **AC** _____

Serial No. _____ Serial No. _____



DCR-TRV80

突起なし

Digital Handycam
Network Handycam



DCR-TRV75/TRV80

©2003 Sony Corporation

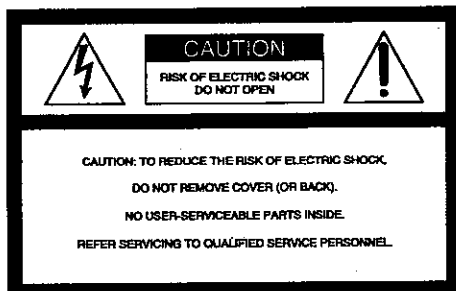
安規文"確認下さい。

Welcome!

Congratulations on your purchase of this Sony Handycam. With your Handycam, you can capture life's precious moments with superior picture and sound quality. Your Handycam is loaded with advanced features, but at the same time it is very easy to use. You will soon be producing home video that you can enjoy for years to come.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this Handycam is harmful to eyes, do not attempt to disassemble the cabinet.

Refer to servicing to qualified personnel only.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the USB cable again.

For customers in the U.S.A. and CANADA

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.



For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrcc.org/>

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

"Memory Stick"

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.

This Class B digital apparatus complies with Canadian ICES-003.

DCR-TRV80 only

Countries and areas where you can use network functions are restricted.

For details, refer to the separate **Network Operating Instructions**.

Network Function / Application

For customers in the U.S.A.

If you have any questions about this product, you may call:
Sony Customer Information Center 1-800-222-SONY (7669)
The number below is for the FCC related matters only.

Regulatory Information

Declaration of Conformity

Trade Name: SONY
Model No.: DCR-TRV80
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack
Road, Oradell,
NJ07649 U.S.A.
Telephone No.: 201-930-6972

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.

DCR-TRV80 only IMPORTANT NOTE

To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied: the antenna has been installed by the manufacturer and no changes can be made. This device and its antenna (s) must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note:

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.

The supplied interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

チェックシートに
記載されていま
せん。OKですか？

For customers in CANADA

DCR-TRV80 only

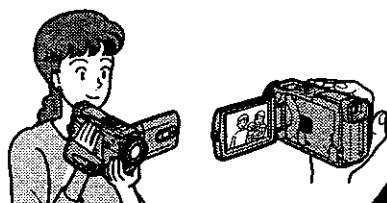
The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Conjunctions で"あ"か？
Conjunction で"あ"。

Main Features

Main Features

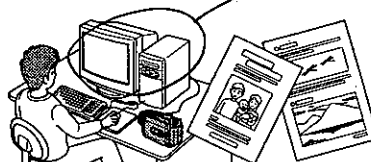
Recording moving pictures or still images, and playing them back



- Recording moving pictures on the tape (p. ●●)
- Playing back the tape (p. ●●)
- Recording still images on the "Memory Stick" (p. ●●, ●●)
- Recording moving pictures on the "Memory Stick" (p. ●●)
- Viewing still images recorded on the "Memory Stick" (p. ●●)
- Viewing moving pictures recorded on the "Memory Stick" (p. ●●)

- Viewing moving pictures recorded on the tape using the USB cable (p. ●●, ●●)
- Viewing images recorded on the "Memory Stick" using the USB cable (p. ●●, ●●)
- Capturing images on the computer from your camcorder using the USB cable (p. ●●)
- Converting an analog signal into digital to capture images onto the computer (p. ●●)

Capturing images on the computer

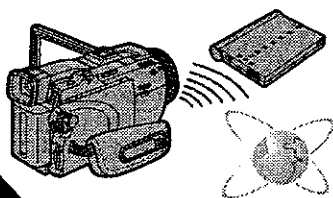


パソコンの
イラスト

ネットワークに接続したり、
BIP機能が使えます。

Main Features

Accessing the Internet via
a Bluetooth wireless
device (optional)
(DCR-TRV80 only)



- Bluetooth機能搭載機器(別売り)や
USBネットワークアダプター対応専用アクセサリ
(別売り)を使ってインターネットに接続できます
- BIP機能を使って、Bluetooth搭載機
器(別売り)と接続し、以下のことができま

Accessing the Internet, sending/
receiving your e-mail. For details,
refer to the Network Function
Operating Instructions supplied
with your camcorder. (DCR-
TRV80 only) (p. ●●)

リモートカメラ

画像交換

変更(未)

Network Function/
Application

Image Transport

Other uses

Functions for adjusting exposure during recording

- Back light function (p. ●●)
- NightShot/Super NightShot/Color Slow Shutter (p. ●●)
- PROGRAM AE (p. ●●)
- Manual exposure (p. ●●)
- Flexible Spot Meter (p. ●●)
- Recording images with the flash (p. ●●, ●●) FIL.

Functions for giving images more impact

- Digital zoom (p. ●●)
The default setting is OFF. (To zoom greater than 10x,
select the digital zoom power in D ZOOM in the menu settings.)
- Fader (p. ●●)
- Picture effect (p. ●●)
- Digital effect (p. ●●)
- Title (p. ●●)
- MEMORY MIX (p. ●●)

Functions for giving a natural appearance to your recordings

- PROGRAM AE (p. ●●)
- SPORTS
- LANDSCAPE
- Manual focus (p. ●●)
- Expanded focus (p. ●●)
- Spot Focus (p. ●●)

Functions for using after recording

- End search/Edit search/Rec Review (p. ●●)
- Data code (p. ●●)
- Tape PB ZOOM/Memory PB ZOOM (p. ●●)
- Zero set memory (p. ●●)
- Title search (p. ●●)
- Digital program editing (p. ●●, ●●)

Main Features

「Battery Info」目次に追加しますか？
追加してOK.

Table of contents

Main Features 4

Quick Start Guide

- Recording on tape 8
- Recording on "Memory Stick" 10

Getting Started

- Using this manual 12
- Checking supplied accessories 14
- Step 1 Preparing the power source 15
 - Installing the battery pack 15
 - Charging the battery pack 16
- Step 2 Setting the date and time 20
- Step 3 Using the touch panel 23

Recording - Basics

- Recording a picture 25
 - Shooting backlit subjects
 - Back light function 32
- Shooting in the dark
 - NightShot/Super NightShot/
Color Slow Shutter 32
- Checking recordings
 - End search/Edit search/Rec
Review 35

Playback - Basics

- Playing back tape 37
 - To display the screen indicators
 - Display function 38
- Viewing a recording on TV 42

Advanced Recording Operations

- Recording still images on "Memory Stick" during tape recording standby or tape recording 44
- Self-timer recording 46
- Adjusting the white balance manually 47
- Using the wide mode 48
- Using the fader function 50
- Using special effects
 - Picture effect 53
- Using special effects - Digital effect ... 54
- Using PROGRAM AE 57
- Adjusting the exposure manually 59
- Using spot light-metering function
 - Flexible Spot Meter 60
- Focusing manually 61

- Using spot focus function
 - Spot Focus 63
- Interval recording 64
- Frame by frame recording
 - Frame recording 65
- Recording with all the pixels
 - Progressive movie recording 66
- Using the viewfinder 67

Advanced Playback Operations

- Playing back tape with picture effect 69
- Playing back tape with digital effect 70
- Enlarging images recorded on tape
 - Tape PB ZOOM 71
- Quickly locating a scene
 - Zero set memory 72
- Searching the boundaries of recorded tape by title - Title search 73
- Searching a recording by date
 - Date search 74

Editing

- Dubbing tape 76
- Dubbing only desired scenes
 - Digital program editing
(on tape) 78
- Recording video or TV programs 87
- Inserting a scene from a VCR
 - Insert editing 89
- Audio dubbing 91
- Superimposing a title on a cassette with Cassette Memory 95
- Making your own titles 98
- Labeling a cassette on a cassette with Cassette Memory 99
- Erasing all the data in Cassette Memory 100

"Memory Stick" Operations

- Using "Memory Stick"
 - Introduction 101
- Recording still images on "Memory Stick"
 - Memory Photo recording 108
- Recording an image from tape as a still image 115
- Superimposing a still image in "Memory Stick" on an image
 - MEMORY MIX 117

Progressive
Recording Mode

Connecting to a
wall outlet

Selecting the quality and size of image data

Changing the recording folder

Table of contents

Interval still image recording	120
Recording moving pictures on "Memory Stick"	
- MPEG MOVIE recording	121
Self-timer recording	123
Recording a picture from tape as a moving picture	124
Recording edited pictures from tape as a moving picture	
- Digital program editing (on "Memory Stick")	126
Setting folder	128
Viewing a still image	
- Memory Photo playback	129
Viewing a moving picture	
- MPEG MOVIE playback	131
Choosing playback folder	133
Enlarging still images recorded on "Memory Stick"	
- Memory PB ZOOM	134
Playing back images continuously	
- Slide show	135
Preventing accidental erasure	
- Image protection	136
Deleting images - DELETE	137
Changing image size - Resize	140
Writing a print mark - Print mark ...	141

Viewing images with a computer

Viewing images with a computer	
- Introduction	142
Connecting your camcorder to a computer using the USB cable (For Windows users)	145
Viewing pictures recorded on tape on a computer	
- USB Streaming (For Windows users)	155
Viewing images recorded on "Memory Stick" on a computer (For Windows users)	160
Connecting your camcorder to a computer using the USB cable (For Macintosh users)	163
Viewing images recorded on "Memory Stick" on a computer (For Macintosh users)	165
Capturing images from an analog video unit on a computer	
- Signal convert function	166

(DCR-TRV80 only)

Using the Network function

Accessing the network	168
-----------------------------	-----

For details, refer to the Network Function Operating Instructions supplied with your camcorder.

Customizing Your Camcorder

Changing the menu settings	171
----------------------------------	-----

Troubleshooting

Types of trouble and how to correct trouble	182
Self-diagnosis display	190
Warning indicators	191
Warning messages	192

Additional Information

Usable cassettes	193
About the "InfoLITHIUM" battery pack	196
About i.LINK	198
Using your camcorder abroad	200
Maintenance information and precautions	201
Specifications	207

Quick Reference

Identifying parts and controls	209
Index	217

変更 (未)

アプリケーションを使い

取りまあか?

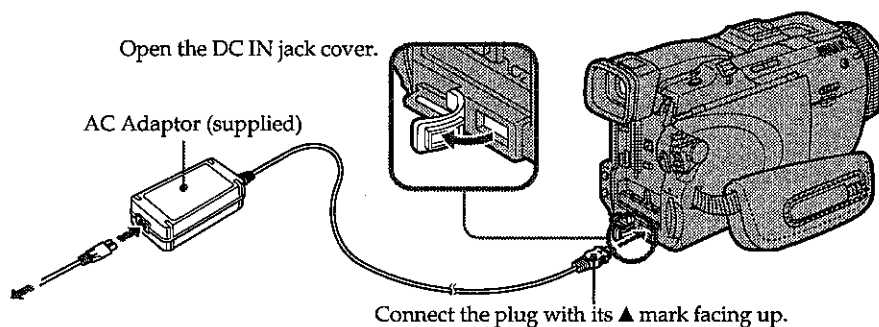
(TRV50は「Connecting to a wall outlet」の項目を1/7P-して
いたから)

Quick Start Guide – Recording on tape

1

Connecting the power cord (p. ●)

Use the battery pack when using your camcorder outdoors (p. ●).



2

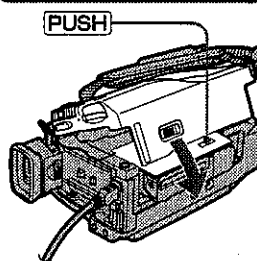
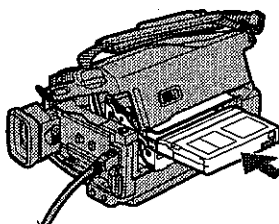
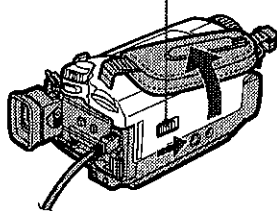
Inserting the cassette (p. ●)

- 1 Slide **OPEN/EJECT** in the direction of the arrow and open the lid.



- 2 Push the center of the cassette back to insert the cassette. Insert the cassette straight as far as possible into the cassette compartment with the window facing up.

- 3 Close the cassette compartment by pressing **PUSH** on the cassette compartment. After the cassette compartment goes down completely, close the lid until it clicks.



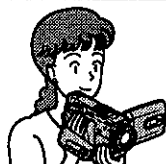
To eject the cassette

Follow the procedures above, and take out the cassette after the cassette compartment opens completely in step 3.

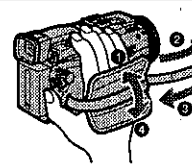
Note

Do not press the cassette compartment down forcibly. Doing so may cause a malfunction.

How to hold your camcorder



Fastening the grip belt
Fasten the grip belt firmly.



次へページに合わせて枠内上下セクターに
します。

シルク形状 4200の実機と
同じだが、画面に合わせて
かえまあか?
このままでOK.

3 Recording a picture on the tape (p. ..)

1 Remove the lens cap.

3 Press OPEN to open the LCD panel. The picture appears on the screen.

2 Set the POWER switch to CAMERA while pressing the small green button.

4 Press START/STOP. Your camcorder starts recording. To stop recording, press START/STOP again.

Viewfinder
When the LCD panel is closed, use the viewfinder with your eye against the eyecup. Adjust the viewfinder lens to your eyesight (p. ..).

When you purchase your camcorder, the clock setting is set to off. If you want to record the date and time for a picture, set the clock setting before recording (p. ..).

4 Monitoring the playback picture on the LCD screen (p. ..)

1 Set the POWER switch to VCR while pressing the small green button.

2 Press  of the touch panel to rewind the tape.

3 Press  of the touch panel to start playback.

Note

When using the touch panel, press operation buttons lightly with your finger or the supplied stylus (DCR-TRV80 only) supporting the LCD panel from the back side of it. Do not press the LCD screen with sharp objects other than the supplied stylus (DCR-TRV80 only).

Do not pick up your camcorder by holding parts as illustrated.



Viewfinder



LCD panel



Battery pack



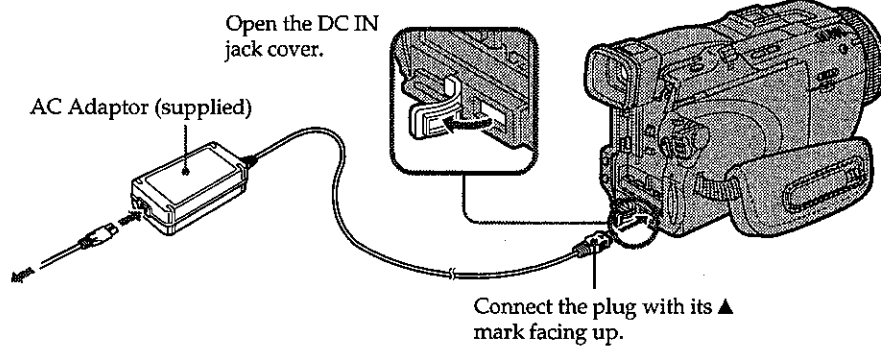
Flash

p.8 同様に取りますか？

Quick Start Guide – Recording on “Memory Stick”

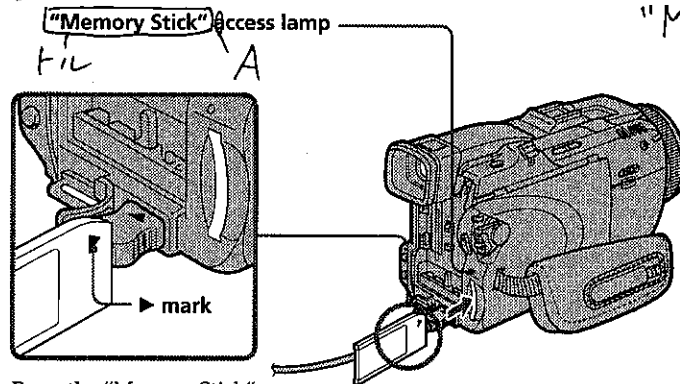
1 Connecting the power cord (p. ●●)

Use the battery pack when using your camcorder outdoors (p. ●●).



2 Inserting the “Memory Stick” (p. ●●)

Insert the “Memory Stick” in the “Memory Stick” slot as far as it can go with the ► mark facing up as illustrated.



Press the “Memory Stick” once lightly to eject it.

“Memory Stick” access lamp

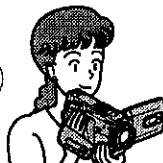
↓
Access lamp

以下、全て変更.

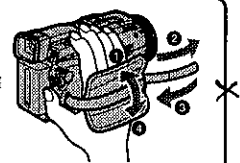
While the access lamp is lit or flashing

Do not shake or strike your camcorder because your camcorder is reading the data from the “Memory Stick” or recording the data on the “Memory Stick.” Do not turn the power off, eject the “Memory Stick” or remove the battery pack. Otherwise, image data breakdown may occur.

How to hold your camcorder



Fastening the grip belt
Fasten the grip belt firmly.



p.8, 9のよう
してくたさい。
申し訳ないです。

p.9と合わせてセンターにしました。