

DCR-TRV230E/TRV235E/TRV325E/ TRV330E/TRV430E/TRV530E

RMT-814

SERVICE MANUAL

Level 1



Ver 1.0 2001.02



Photo : DCR-TRV325E
RMT-814

AEP Model

DCR-TRV230E/TRV235E/TRV325E/
TRV330E/TRV430E/TRV530E

UK Model

DCR-TRV230E/TRV325E/TRV330E

Digital 8

Digital Handycam



InfoLITHIUM



MEMORY STICK

M2000 MECHANISM

SPECIFICATIONS

Video camera recorder

System

Video recording system
2 rotary heads
Helical scanning system
Audio recording system
Rotary heads, PCM system
Quantization: 12 bits (Fs 32 kHz,
stereo L, stereo R), 16 bits
(Fs 48 kHz, stereo)
Video signal
PAL colour, CCIR standards
Recommended cassette
168/168 video cassette
Recording/playback time (using
60 min. Hi8 video cassette)
SP mode: 1 hour
LP mode: 1 hour and 30 minutes
Fastforward/rewind time (using
60 min. Hi8 video cassette)
Approx. 5 min.
Viewfinder
Electric viewfinder, Monochrome
image device
5 mm (1/8" type) CCDs
Charge Coupled Device
Approx. 800 000 pixels
Sensitivity: Approx. 400 000 pixels
Lens
Combined power zoom lens
Filter diameter 37 mm (1 1/2 in.)
25x (Optical), 700x* (Digital)
800x (DCR-TRV235E/TRV430E)
Focus lever
2.6 - 60 mm (1/8 - 2 3/8 in.)
Wides converted to a 35 mm still
camera
45 - 1 250 mm (1 3/4 - 45 3/8 in.)

Colour temperature

Auto

Minimum illumination

5 lx (Lux) (F 1.6)

0 lx (Lux) (in the NightShot mode)*

* Objects unable to be seen due to the dark can be shot with infrared lighting.

Input/output connectors

8 video input/output

4-pin mini DIN

Luminance signal: 1 Vp-p,

75 Ω (colour), unbalanced

Chrominance signal: 0.3 Vp-p, 75 Ω

(colour), unbalanced

Audio/video input/output

A/V MONITOR, 1 Vp-p, 75 Ω

(colour), unbalanced, sync negative

307 mV, (air output impedance more

than 47 kΩ (balanced))

Output impedance with less than

3.2 kΩ (balanced)/Stereo minijack

(ø 3.5 mm)

Input impedance more than 47 kΩ

(balanced)

Head phone jack

Stereo minijack (ø 3.5 mm)

USB jack (DCR-TRV235E/TRV330E/

TRV430E/TRV530E)

mini-B

LANC jack

Stereo minijack (ø 3.5 mm)

MMC jack

Stereo minijack (ø 3.5 mm)

DV input/output

4-pin connector

LCD screen

Picture

DCR-TRV230E/TRV235E/

TRV330E/TRV330E

6.2 cm (2.5 type)

50.5 x 37.4 mm (2 x 1 1/2 in.)

DCR-TRV430E

7.5 cm (3 type)

63.0 x 45.8 mm (2 1/2 x 1 3/4 in.)

DCR-TRV530E

8.8 cm (3.5 type)

72.2 x 50.4 mm (2 7/8 x 2 in.)

Total dot number

123 200 (560 x 320)

General

Power requirements

7.2 V (battery pack)

8.4 V (AC power adaptor)

Average power consumption

(when using the battery pack)

During camera recording using

LCD

DCR-TRV230E/TRV235E/

TRV330E/TRV330E

3.9 W

DCR-TRV430E/TRV530E

4.1 W

Viewfinder

3.0 W

Operating temperature

0 °C to 40 °C (32 °F to 104 °F)

Recommended charging

temperature

10 °C to 30 °C (50 °F to 86 °F)

Storage temperature

-20 °C to +60 °C (-4 °F to +140 °F)

Dimensions (Approx.)

85 x 102 x 205.5 mm

(3 3/8 x 4 1/8 x 8 1/8 in.) (w/h/d)

Mass (approx.)

DCR-TRV230E/TRV235E

880 g (3 lb 15-oz)

DCR-TRV235E/TRV330E

900 g (3 lb 15-oz)

DCR-TRV430E/TRV530E

950 g (2 lb 5-oz)

including the battery pack, cassette

and shoulder strap

DCR-TRV230E

1 020 g (2 lb 3-oz)

DCR-TRV235E/TRV330E/

TRV330E

1 040 g (2 lb 4-oz)

DCR-TRV430E

1 090 g (2 lb 6-oz)

DCR-TRV530E

1 070 g (2 lb 5-oz)

including the supplied battery pack,

CRP-PM50 or NP-PM50, 90mm still

cassette, and shoulder strap

Supplied accessories

See page 3.

— Continued on next page —



DIGITAL VIDEO CAMERA RECORDER

SONY®

Sony Dcr Trv530 Manual

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Sony Dcr Trv530 Manual:

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