

DCR-TRV230/TRV330/TRV530

RMT-814

SERVICE MANUAL

Self Diagnosis

Ver 1.1 2001.07

Digital 8

Digital Handycam



InfoLITHIUM



MEMO



MEMORY STICK



Photo : DCR-TRV530
RMT-814

US Model
Canadian Model
E Model
Hong Kong Model
Korea Model
DCR-TRV230/TRV330/TRV530
Tourist Model
DCR-TRV330/TRV530
Argentina Model
DCR-TRV230/TRV530
Brazilian Model
DCR-TRV330

M2000 MECHANISM

For MECHANISM ADJUSTMENT, refer to the "8mm Video MECHANICAL ADJUSTMENT MANUAL IX M2000 MECHANISM" (9-929-861-11).

SPECIFICATIONS

Video camera recorder

System

Video recording system
3 rotary heads
Helical scanning system
Audio recording system
Rotary heads, PCM system
Quantization: 12 bits (Fs 32 kHz, stereo 1, stereo 2), 16 bits (Fs 48 kHz, stereo)
Video signal
NTSC color, EIA standards
Recommended cassette
Hi8/Hi8i video cassette
Recording/playback time (using 120 min. Hi8 video cassette)
SP mode: 1 hour
LP mode: 1 hour and 30 minutes
Fastforward/rewind time (using 120 min. Hi8 video cassette)
Approx. 5 min.
Viewfinder
Electric Viewfinder, Monochrome image device
3 mm (1/8 type CCD)
(Charge Coupled Device)
Approx. 460 000 pixels
(Effective: Approx. 290 000 pixels)
Lens
Combined power zoom lens
Filter diameter 37 mm (1 1/2 in.)
25x (Optical), 700x (Digital)
Focal length
3.4 - 60 mm (1/8 - 2 3/8 in.)
When converted to a 35 mm still camera
42 - 1 050 mm (1 11/16 - 42 3/8 in.)

Color temperature
Auto
Minimum illumination
4 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 connections

5 video input/output
4-pin mini DIN
Luminance signal: 1 Vp-p, 75 Ω (ohms), unbalanced
Chrominance signal: 0.286 Vp-p, 75 Ω (ohms), unbalanced
Audio/Video input/output
A/V MINIJACK, 1 Vp-p, 75 Ω (ohms), unbalanced, sync negative
327 mV, (at output impedance more than 47 kΩ (kilohms))
Output impedance with less than 2.2 kΩ (kilohms)/Stereo minijack (ø 3.5 mm)
Input impedance more than 47 kΩ (kilohms)
Headphone jack
Stereo minijack (ø 3.5 mm)
USB jack (DCR-TRV330/TRV530 mini-B)
LANC 47 jack
Stereo mini-minijack (ø 2.5 mm)

MIC jack
Stereo minijack (ø 3.5 mm)
DV input/output
4-pin connector

LCD screen

Picture
DCR-TRV230/TRV330:
6.2 cm (2.5 type)
50.3 x 37.4 mm (2 x 1 1/2 in.)
DCR-TRV530:
8.8 cm (3.5 type)
72.2 x 50.4 mm (2 7/8 x 2 in.)
Total dot number
DCR-TRV230/TRV330
61 600 (280 x 220)
DCR-TRV530
123 200 (260 x 220)

General

Power requirements
7.2 V (battery pack)
8.4 V (A/C power adaptor)
Average power consumption
(when using the battery pack)
During camera recording using LCD
DCR-TRV230/TRV330: 3.9 W
DCR-TRV530: 4.2 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
-30 °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-TRV230:
880 g (1 lb 15 oz)
DCR-TRV330:
900 g (1 lb 15 oz)
DCR-TRV530:
900 g (1 lb 15 oz)
excluding the battery pack, cassette and shoulder strap
DCR-TRV230:
1 000 g (2 lb 3 oz)
DCR-TRV330:
1 040 g (2 lb 4 oz)
DCR-TRV530:
1 070 g (2 lb 5 oz)
including the battery pack, NP-FM30, 120min. Hi8 cassette, and shoulder strap

— Continued on next page —



DIGITAL VIDEO CAMERA RECORDER

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Consumer Reports



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