

# DCR-TRV230/TRV330/TRV530

RMT-814

## SERVICE MANUAL

*Self Diagnosis*

Ver 1.1 2001.07

**Digital 8**

Digital Handycam



InfoLITHIUM



SERIES



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 DEN  
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 42 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 (360 x 330)

##### 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

SONY®

# Sony Dcr Trv230 Manual

**Consumer Reports (Firm)**



**Sony Dcr Trv230 Manual:**

**Home Computer Buying Guide 2002** Consumer Reports (Firm),2001-09 Whether readers are looking to purchase a new computer or upgrade current systems this guide can help make the right choice for both needs and budgets It covers printers monitors hard drives modems and more      **How to Do Everything with iMovie** Tony Reveaux,Gene Steinberg,2002 A must have title for the beginning movie maker who wants expert advice on using iMovie and capturing video to create great home movies Includes tips cautions and shortcuts      Buying Guide 2002 Consumer Reports,2001-11 Do your homework to determine the best value with this annually updated buying guide from Consumer Reports Includes information on what s new in home entertainment vehicles appliances and home office equipment Ratings charts and index

**Popular Photography** ,2002      **Noticias de la semana** ,2001

## Unveiling the Magic of Words: A Review of "**Sony Dcr Trv230 Manual**"

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