

CCD-TRV89E/TRV95/TRV95E/TRV95PK/ TRV99/TRV99E RMT-708/717

SERVICE MANUAL



Photo : CCD-TRV99E
: RMT-717

Handycam Vision™
video Hi8 XR
[B MECHANISM]

*US Model
Canadian Model*

CCD-TRV95/TRV99

E Model

CCD-TRV89E/TRV95/TRV95PK/TRV99E

AEP Model

UK Model

CCD-TRV95E

Hong Kong Model

CCD-TRV89E/TRV99E

Tourist Model

CCD-TRV89E/TRV95/TRV99E

Australian Model

Chinese Model

CCD-TRV89E/TRV99E

SPECIFICATIONS

For MECHANISM ADJUSTMENTS, refer to the "8mm Video MECHANICAL ADJUSTMENT MANUAL VII" (9-973-801-11).

Video camera recorder

System

Video recording system

CCD-TRV95/TRV99E/TRV99 : 4 rotary heads (SP/LP independent heads)

CCD-TRV95E/TRV95E/TRV99E : 2 rotary heads

Helical scanning FM system

Audio recording system

Rotary heads, FM system

Video signal

CCD-TRV95 (JIS), CCD-TRV99 :

NTSC color, CCIR standards

CCD-TRV95 (E), CCD-TRV99E :

NTSC color, EIA standards

CCD-TRV95E/TRV95E/TRV99E :

PAL color, CCIR standards

Usable cassette

8mm video format cassette

Hi8 or standard 8

Recording / Playback time

CCD-TRV95/TRV99E/TRV99 :

recording : 4:20 min. (cassette)

SP mode : 2 hours

LP mode : 4 hours

CCD-TRV95E/TRV95E/TRV99E :

recording : 90 min. (cassette)

SP mode : 1 hour and 30 minutes

LP mode : 3 hours

Fastforward/rewind time

CCD-TRV95/TRV99E/TRV99 :

recording : 1:20 min. (cassette) / Approx. 3 min.

CCD-TRV95E/TRV95E/TRV99E :

recording : 90 min. (cassette) / Approx. 2 min.

Image device

CCD (Charge Coupled Device)

Viewfinder

Electronic viewfinder

CCD-TRV95 : Monocular

CCD-TRV95E/TRV95E/TRV99E/TRV99E :

Color : 115,276 (320 x 288)

Lens

Coated multi-power zoom lens

Filter diameter : 57mm (ø) 1.7 mm

CCD-TRV95 (JIS/CCIR)/TRV99E/TRV99 :

18 x (digital), 7.2 x (digital)

CCD-TRV95E/TRV95E (E), CCD-TRV95E/TRV95E :

18 x (digital), 2.0 x (digital)

Focal distance

3/26 - 6 in. (ø) 1 - 73.8 mm

When converted to a 35 mm still camera

1/26 - 3.3 in. (ø) 1.2 - 800 mm

Color temperature

Auto

Minimum illumination

0.7 lux (ø) 1.4 lx

0-lux (ø) NightShot mode**

** Object invisible for the dark can be shot with infrared lighting.

Illumination range

0.7 lux to 100,000 lux

Recommended illumination

More than 100 lux

LCD screen

Picture

4 inches measured diagonally

3.14 x 2.35 in. (80.7 x 59.7 mm)

On-screen display

TM 14,000/17 active matrix method

Total dot number

112,000 (879 x 256)

Input and output connectors

S video input/output

(CCD-TRV95E/TRV95/TRV95PK/

TRV99/TRV99E only)

4-pin mini DIN

Luminance signal

1 Vp-p, 75 ohms, unbalanced

Chrominance signal

CCD-TRV95/TRV99E/TRV99 :

0.286 Vp-p, 75 ohms, unbalanced

CCD-TRV95E/TRV95E/TRV99E :

0.3 Vp-p, 75 ohms, unbalanced

Video input/output

(CCD-TRV95E/TRV95/TRV95PK/

TRV99/TRV99E only)

Phono jack, 1 Vp-p, 75 ohms, unbalanced

Audio input/output

(CCD-TRV95E/TRV95/TRV95PK/

TRV99/TRV99E only)

Phono jack, (2) stereo L and R, 527

mV, (at output impedance < 7 kOhms)

Impedance less than 2.2 kOhms

RFU DC OUT

Special minijack, IEC 9V

Headphone jack

Stereo minijack (ø 3.5 mm)

LANC control jack

Stereo mini-minijack (ø 2.5 mm)

MC jack

Mini jack, 6.38kV line impedance

with 2.5 to 3.0 V DC, output impedance

< 5 kOhms (ø 3.5 mm) Stereo type

Speaker

Dynamic speaker

Intelligent accessory shoe

4-pin connector

General

Power requirements

7.2 V (battery pack)

8.4 V (AC power adapter)

— Continued on next page —

Hi8 VIDEO CAMERA RECORDER



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Jin-Ying Zhang



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