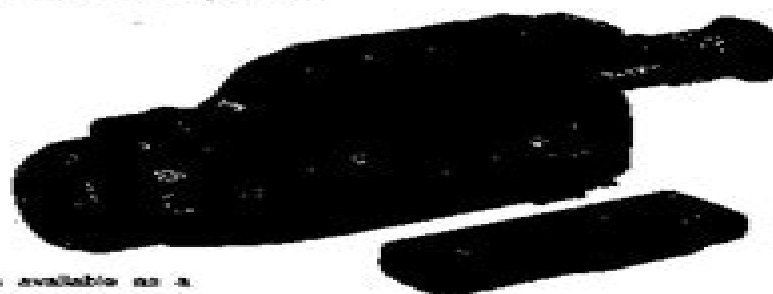


CCD-FX400/FX410/FX411

RMT-509

SERVICE MANUAL



Remote commander is available as a unit, but as individual parts the battery case lid of commander is only available.

US Model

CCD-FX410/FX411

Canadian Model

CCD-FX410

E Model

CCD-FX400

**Video 8
Handycam**

[A. MECHANISM]

For MECHANISM ADJUSTMENTS, refer to the "8 mm Video MECHANICAL ADJUSTMENT MANUAL IV" (9-973-199-11).

SPECIFICATIONS

System

Video recording system

Rotary two heads, Helical scanning FM system

Audio recording system

Rotary head, FM system

Video signal

NTSC color, ESA standards

Usable cassette

8 mm video format cassette

Tape speed

SP mode: Approx. 1.43 cm/s (1 7/8 inch/sec)

LP mode: Approx. 0.72 cm/s (7/8 inch/sec)

(playback only)

Recording time

SP mode: 2 hours (PS-120)

Playback time

SP mode: 2 hours (PS-120)

LP mode: 4 hours (PS-120)

Fast forward/rewind time

Approx. 15 min, 30 sec. (PS-120)

Image device

CCD (Charge Coupled Device)

Viewfinder

Electronic viewfinder

(black and white)

Lens

Combined 16x power zoom lens

4.5:1 (35-157 mm) (1.4 to 2.7 inches)

Approx. 44 to 440 mm (1 7/8 to 17 1/2 inches) centered into the focal length of a 35 mm still camera.

IF 1.6 inch macro

Filter diameter: 37 mm (1 1/2 inches)

TTL autofocus system (inter focus slide mechanism)

Color temperature

AUTO

Minimum illumination

2 lux

IL (initial on range)

2 lux to 100,000 lux (0.2 to 10,000 footcandles)

Recommended illumination

More than 100 lux (10 footcandles)

Aperture correction

Automatic

With backlight adjustment

Input and output connector

Video input/output

Phone jack, 1 Vp-p, 75 ohms

unbalanced sync negative

Audio input/output

Phone jack

Input: -7.5 dBa, input

impedance more than

47 kilohms

Output: -7.5 dBa, (20 output

impedance 47 kilohms)

Impedance less than

1 kilohms

RFU (DC OUT)

Special minijack, 5V DC

Telephone jack

Minijack, 8-wire impedance

Phone mini-jack

Phone mini-jack

Minijack

Minijack, -10 dBa, low

impedance with 2.5 to 3 V DC

output, impedance 5.6 kilohms

Microphone power output jack

Special minijack, 5 V DC

8 VIDEO CAMERA RECORDER
SONY



Sony Ccd Fx400 Fx410 Fx411 Service Manual

Michael Brown



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