

CCD-TR315/TR416/TR516/TR716/TR10PK/TR16 CCD-TRV16/TRV16PK/TRV36/TRV36PK/TRV43/ TRV46/TRV46PK RMT-708

SERVICE MANUAL



Ver 1.0 1999.01

Handycam
Handycam Vision
Video 8 XR
video Hi8

B MECHANISM



Photo : CCD-TR516



Photo : CCD-TRV46

US Model
Canadian Model

CCD-TR416/TR516/TR716
CCD-TRV16/TRV36/TRV43/TRV46

E Model

CCD-TR315/TR416PK/TR516PK
CCD-TRV16/TRV16PK/TRV36PK/
TRV46/TRV46PK

Hong Kong Model

CCD-TRV16/TRV46

Taiwan Model

CCD-TRV16

Brazilian Model

CCD-TR315/TR416

CCD-TRV16

NTSC

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

SPECIFICATIONS

Video camera recorder System

Video recording system
2 Rotary heads

Helical scanning FM system

Audio recording system
Rotary heads, FM system

Video signal
NTSC color, EIA standards

Usable cassette

8mm video format cassette

CCD-TR315/TR416/TR416PK

CCD-TRV16/TRV16PK

: standard 8

CCD-TR315/TR516PK/TR716

CCD-TRV16/TRV16PK/TRV36/TRV43/TRV46/
TRV46PK : 180

Recording / Playback time

(using 120 min. cassette)

SP mode: 2 hours

LP mode: 4 hours

Fastforward/rewind time

(using 120 min. cassette)

Approx. 3 min.

Image device

1/4 inch CCD (Charge Coupled Device)

CCD-TR315/TR416/TR416PK/TR516/
TR716PK

CCD-TRV16/TRV16PK/TRV36/
TRV43PK : Approx. 270,000 pixels

Effective : approx. 250,000 pixels

CCD-TR10

CCD-TRV36/TRV46/TRV46PK

Approx. 520,000 pixels

Effective : approx. 200,000 pixels

Viewfinder

Electronic viewfinder

CCD-TR315/TRV series : Monochrome

CCD-TR416/TR416PK/TR716/
TR716PK/TR716 : Color

Lens

Credited power source lens

Filter diameter 9.576 in. (27 mm)

CCD-TR315/TR416/L.S./C.TAD

CCD-TRV16/TRV16PK

: 18 x (Optical), 180 x (Digital)

CCD-TR416/L.S./TR416PK

: 18 x (Optical), 250 x (Digital)

CCD-TR315/TR516PK/TR716

CCD-TRV16/TRV16PK/TRV36/TRV43/TRV46/
TRV46PK

: 18 x (Optical), 330 x (Digital)

Focal distance

37.6 - 8 in. (0.1 - 27.8 mm)

When converted to a 35 mm still camera

CCD-TR315/TR416/TR416PK/TR516/
TR716PK

CCD-TRV16/TRV16PK/TRV36/
TRV43PK

: 3.976 - 28 in. (0.4 - 709 mm)

CCD-TR10

CCD-TRV16/TRV16PK/TRV36/
TRV43PK

: 3.38 - 3.1/2 in. (87.2 - 850 mm)

Color temperature

Auto

Minimum illumination

0.4 lux at F 1.4

0.3 lux (in NightShot mode)*

Illumination range

0.4 lux to 100,000 lux

Recommended illumination

More than 100 lux

* Object invisible for the dark can be

seen with infrared lighting.

LCD screen (TRV series only)

Picture

2.5 inches measured diagonally

2 x 1 1/2 in. (25.3 x 37.4 mm)

On-screen display

TM LCD/TFT active matrix method

Total dot number

60,000 (270 x 220)

— Continued on next page —

8 VIDEO CAMERA RECORDER

CCD-TR315/TR416/TR416PK

CCD-TRV16/TRV16PK

Hi 8 VIDEO CAMERA RECORDER

CCD-TR516/TR516PK/TR716

CCD-TRV36/TRV36PK/TRV43/TRV46/TRV46PK



SONY

Sony Camcorder Service Manual

Joacim Rocklöv



Sony Camcorder Service Manual:

Camcorder Maintenance and Repair Homer L. Davidson,1989 Video and Camcorder Servicing and Technology Steve Beeching,2001-04-11 This book provides fully up to date coverage of the whole range of current home video equipment analogue and digital As well as essential information for repair and troubleshooting the author provides clear explanations of the technology of video equipment which will enable the service engineer to gain a thorough knowledge of the equipment with which they are working As well as traditional VCRs the scope of Video and Camcorder Servicing and Technology includes the full range of video cameras designed for home use and editing systems and the latest DVD and hard disk equipment The resulting book is an essential bench reference tool for all service engineers a guide to the technology for a wide range of professionals and the most comprehensive college text for City Guilds EEB and other courses Steve Beeching s guides to servicing video equipment have long been the definitive texts for service engineers and students This book is the successor to the classic Servicing Video Cassette Recorder Equipment which has been the leading PAL based title on video equipment since 1983 The key to successful servicing of VCRs and camcordersThe first servicing book to cover the new generation of video equipment DVD and hard disk recording MPEG2 The practical knowhow of a highly experienced service engineer *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office,1978 *Extreme DV at Used-car Prices* Rick Schmidt,2004 An award winning independent filmmaker explains how to create high quality inexpensive films with digital video offering up to date information on equipment and software filmmaking techniques new experimental effects and more Original The Spaghetti City Video Manual Videofreex (Organization),1973 *Commerce Business Daily* ,1998-11 *Popular Photography* ,1992-09 *PC Mag* ,1996-05-28 PCMag com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology **Popular Photography** ,1990-08

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