

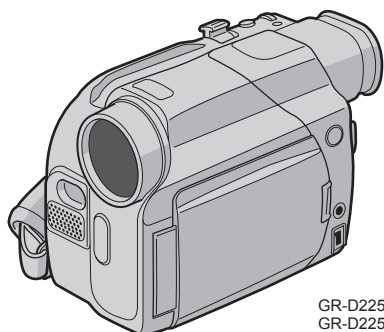
# JVC

## SCHEMATIC DIAGRAMS

### DIGITAL VIDEO CAMERA

## GR-D225EK, GR-D225EX, GR-D225EY, GR-D225EZ

CD-ROM No.SML200501



Mini DV PAL

GR-D225EK, GR-D225EX,  
GR-D225EY, GR-D225EZ [M4D1S2]

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700 (MECHANISM ASSEMBLY).  
Regarding service information other than these sections, refer to the service manual No. YF008 (GR-D73EX).  
Also, be sure to note important safety precautions provided in the service manual.

#### NOTE :

There are two types of VF(COLOR) ASSEMBLY used for this model: S type and K type.  
Prior to repair operation related to VIEW FINDER, be sure to see the VF(COLOR) ASSEMBLY and Parts List.

Methods to distinguish the two types are as follows:

1. Distinction based on EEPROM DATA (EEPROM utility). (\*1)
2. Distinction based on a part number of the MONI-C BOARD ASSEMBLY.
3. Distinction based on a sticker attached to the VF(COLOR) ASSEMBLY.

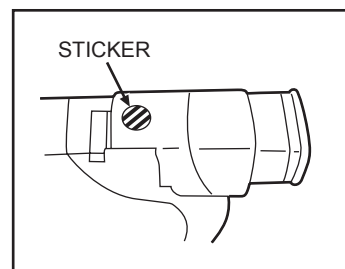
|                     | S TYPE         | K TYPE         |
|---------------------|----------------|----------------|
| EEPROM DATA (*1)    | ADRS 3CCH:01H  | ADRS 3CCH:05H  |
| MONI-C PWB          | YB10447 SERIES | YB10453 SERIES |
| VF(COLOR) ASSY (*2) | STICKER : BLUE | STICKER : PINK |

(\*1) It is necessary to confirm the original data (before repair work) of EEPROM.

(\*2)The sticker can be confirmed by removing the COVER (UPPER).

Be careful, as stickers are not attached to all models. If there is no sticker attached, distinguish the two types by confirming the EEPROM DATA or the part number of MONI-C BOARD ASSEMBLY.

#### VF(COLOR) ASSEMBLY

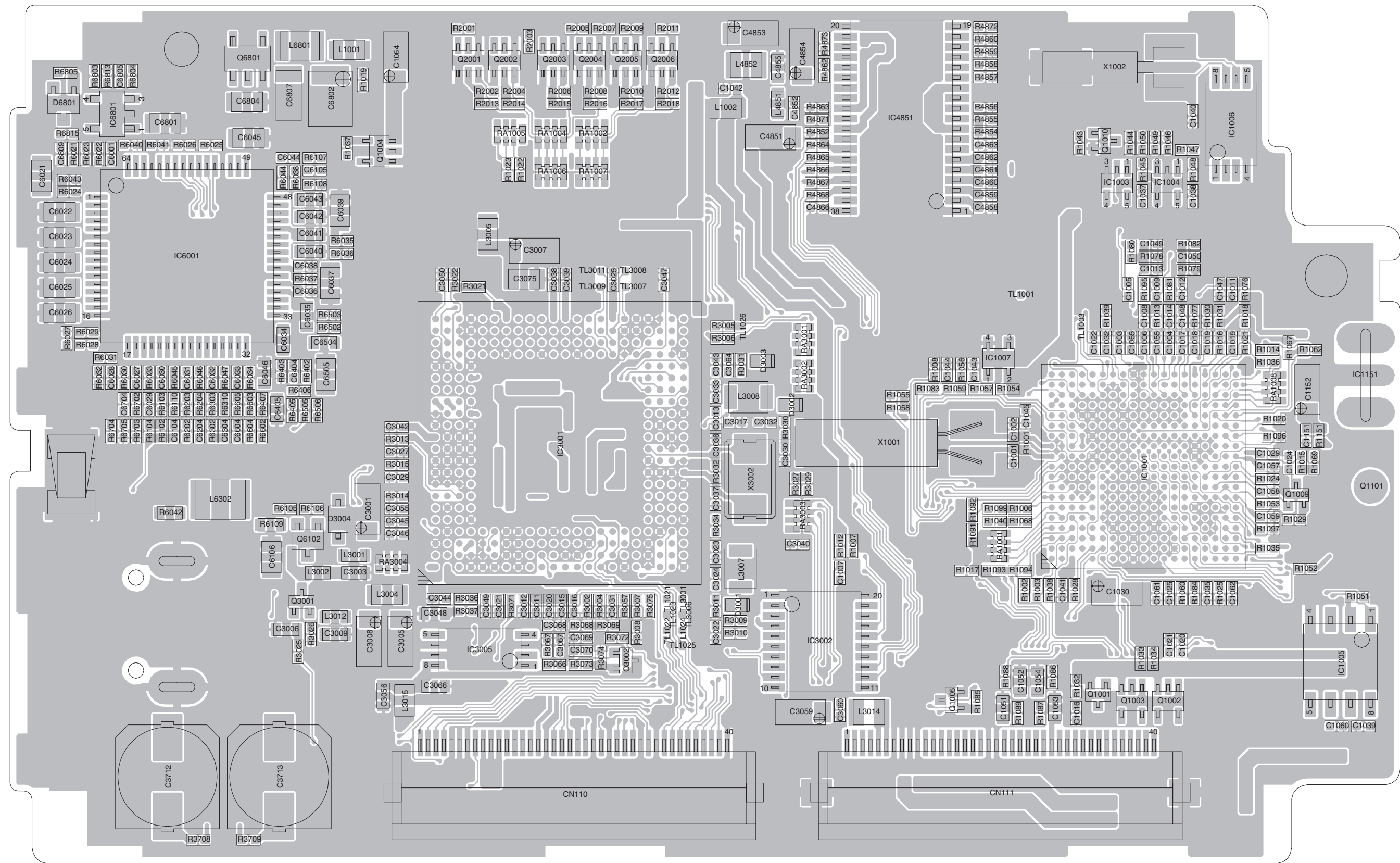


CHARTS AND DIAGRAMS

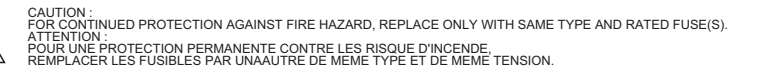
■ MAIN CIRCUIT BOARD

<01>MAIN  
YB10449-01-02

FOIL SIDE(B)



<01>MAIN  
YB10449-01-02



# SPECIFICATION

## Camcorder

### For General

#### Power supply

DC 11.0 V (Using AC Adapter)

DC 7.2 V (Using battery pack)

#### Power consumption

Approx. 3.3 W (LCD monitor off, viewfinder on)

Approx. 4.6 W (LCD monitor on, viewfinder off)

Approx. 8.6 W (Maximum)

#### Dimensions (W x H x D)

71 mm x 91 mm x 118 mm

(with the LCD monitor closed and the viewfinder pushed back in)

#### Weight

Approx. 500 g

(without cassette and battery)

Approx. 590 g

(incl. cassette and battery)

#### Operating temperature

0°C to 40°C

#### Operating humidity

35% to 80%

#### Storage temperature

-20°C to 50°C

#### Pickup

1/6" CCD

#### Lens

F 1.6, f = 2.7 mm to 43.2 mm, 16:1 power zoom lens

#### Filter diameter

ø30.5 mm

#### LCD monitor

2.37" diagonally measured, LCD panel/TFT active matrix system

#### Viewfinder

Electronic viewfinder with 0.24" colour LCD

#### Speaker

Monaural

#### White LED Light

Effective distance: 1.5 m

## For Digital Video Camera

### Format

DV format (SD mode)

### Signal format

PAL standard

### Recording/Playback format

Video: Digital component recording

Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)

### Cassette

Mini DV cassette

### Tape speed

SP: 18.8 mm/s, LP: 12.5 mm/s

### Maximum recording time (using 80 min. cassette)

SP: 80 min., LP: 120 min

## For Connectors

### S

S-Video output:

Y: 1.0 V (p-p), 75 Ω, analogue

C: 0.29 V (p-p), 75 Ω, analogue

### AV

Video output: 1.0 V (p-p), 75 Ω, analogue

Audio output: 300 mV (rms), 1 kΩ, analogue, stereo

### DV

Output: 4-pin, IEEE 1394 compliant

## AC Adapter

### Power requirement

AC 110 V to 240 V~, 50 Hz/60 Hz

### Output

DC 11 V , 1 A

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

## DIFFERENT TABLE OF FEATURE

The following table indicate main different points between models GR-D73EX, GR-D225EK, GR-D225EX, GR-D225EY and GR-D225EZ.

| MODEL          | GR-D73EX      | GR-D225EK       | GR-D225EX       | GR-D225EY       | GR-D225EZ       |
|----------------|---------------|-----------------|-----------------|-----------------|-----------------|
| MEMORY CARD    | YES(MMC8MB)   | NO              | NO              | NO              | NO              |
| DV TERMINAL    | YES(IN/OUT)   | YES(OUT)        | YES(OUT)        | YES(OUT)        | YES(OUT)        |
| ANALOG INPUT   | YES           | NO              | NO              | NO              | NO              |
| REMOTE CONTROL | RM-V718U      | NO              | NO              | NO              | NO              |
| BODY COLOR     | Silver & Gray | Silver & Silver | Silver & Silver | Silver & Silver | Silver & Silver |
| AC CORD        | CEE PULG      | BS PULG         | CEE PULG        | CEE PULG        | CEE PULG        |
| USB CABLE      | YES           | NO              | NO              | NO              | NO              |
| CD-ROM         | YES           | NO              | NO              | NO              | NO              |

# JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY CAMCORDER CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YF071)



Printed in Japan  
VPT