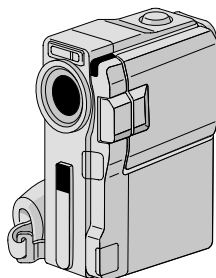


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVM55KR, DVM75KR



Mini DV NTSC
DSC
DIGITAL
STILL CAMERA

Regarding service information other than these sections, refer to the GR-DVM55U/DVM75U service manual (No. 86615). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVM55U/DVM75U)*

Camcorder	
For General	
Power supply	: DC 11.0 V \approx (Using AC Adapter) DC 7.2 V \approx (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.4 W (GR-DVM75), Approx. 4.0 W (GR-DVM55)
LCD monitor on, viewfinder off	: Approx. 5.2 W (GR-DVM75), Approx. 4.8 W (GR-DVM55)
Dimensions (W x H x D)	: 97 mm x 120 mm x 51 mm (3-7/8" x 4-3/4" x 2-1/16") (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 500 g (1.1 lbs) (GR-DVM75) Approx. 470 g (1.1 lbs) (GR-DVM55)
Operating temperature	: 0°C to 40°C (32°F to 104°F)
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C (-4°F to 122°F)
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens
Filter diameter	: ϕ 27 mm
LCD monitor	: 2.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" colour LCD
Speaker	: Monaural
For Digital Video Camera	
Format	: DV format (SD mode)
Signal format	: NTSC 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 Digital Still Camera (GR-DVM75 only)	
Storage media	: SD Memroy Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
File size	: 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images (with the provided memory card [8 MB], with Sound Effects pre-stored)	
FINE	: 40 (VGA), 20 (XGA)
STANDARD	: 130 (VGA), 60 (XGA)
(with an optional memory card [16 MB])	
FINE	: 100 (VGA), 40 (XGA)
STANDARD	: 290 (VGA), 140 (XGA)
(with an optional memory card [32 MB])	
FINE	: 210 (VGA), 90 (XGA)
STANDARD	: 610 (VGA), 290 (XGA)
(with an optional memory card [64 MB])	
FINE	: 430 (VGA), 190 (XGA)
STANDARD	: 1230 (VGA), 600 (XGA)

For Connectors	
AV	
Video output	: 1 V (p-p), 75 Ω , analog
Video input (GR-DVM75 only)	: 0.8 V (p-p) - 1.2 V (p-p), 75 Ω , analog
Audio output	: 300 mV (rms), 1 k Ω , analog, stereo
Audio input (GR-DVM75 only)	: 300 mV (rms), 50 k Ω , analog, stereo
Headphone output (GR-DVM75 only)	: Stereo
DV	
Input/output	: 4-pin, IEEE 1394 compliant

AC adapter AP-V10U	
Power requirement	
U.S.A. and Canada	: AC 120 V \sim , 60 Hz
Other countries	: AC 110 V to 240 V \sim , 50 Hz/60 Hz
Output	: DC 11 V \approx , 1 A
Dimensions (W x H x D)	: 59 mm x 31 mm x 84 mm (2-3/8" x 1-1/4" x 3-5/16")
Weight	: Approx. 130 g (0.29 lbs)

Jack Box	
For General	
Dimensions (W x H x D)	: 52 mm x 22 mm x 73 mm (2-1/16" x 7/8" x 2-7/8")
Weight	: Approx. 35 g (0.78 lbs)

For Connectors	
USB (GR-DVM75 only)	
Type	: Type B
EDIT (GR-DVM75 only)	
Type	: ϕ 3.5 mm, 2-pole
S-Video	
Output	: Y : 1 V (p-p), 75 Ω , analog C : 0.29 V (p-p), 75 Ω , analog
Input (GR-DVM75 only)	: Y : 0.8 V (p-p) - 1.2 V (p-p), 75 Ω , analog C : 0.2 V (p-p) - 0.4 V (p-p), 75 Ω , analog
ILIP (GR-DVM55 only)	
PC (DIGITAL PHOTO)	
Type (GR-DVM55 only)	: ϕ 3.5 mm, 4-pole
AV	
Type	: ϕ 2.5 mm, 3-pole

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

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The following table indicate main different points between models GR-DVM55U, GR-DVM55KR, GR-DVM75U and GR-DVM75KR.

ITEM \ MODEL	GR-DVM55U	GR-DVM55KR	GR-DVM75U	GR-DVM75KR
AC ADAPTER	AP-V10U	AP-V10KR	AP-V10U	AP-V10KR

The following table indicate different parts number between models GR-DVM55U, GR-DVM55KR, GR-DVM75U and GR-DVM75KR.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

REF. NO. \ MODEL	ITEM	GR-DVM55U	GR-DVM55KR	GR-DVM75U	GR-DVM75KR
8	Q.CARD(JCA)	YU10350	—	YU10350	—
9	WARRANTY INF.	BT-51005-4	—	BT-51005-4	—
10	REGIST.CARD	BT-51020-2	—	BT-51020-2	—
△ 12	AC ADAPTER	LY20739-001A	LY20688-010A	LY20739-001A	LY20688-010A
24	CORE FILTER	QQR0491-002	QQR0490-002	—	QQR0490-002
△ 28	POWER CORD	—	QMPS130-190-JC	—	QMPS130-190-JC
29	WARRANTY CARD	—	—	—	BT-56010-1

FINAL ASSEMBLY <M2>

REF. NO. \ MODEL	ITEM	GR-DVM55U	GR-DVM55KR	GR-DVM75U	GR-DVM75KR
188	LABEL(EMC)	—	LY43226-002A	—	LY43226-001A
229	SCREW	QYSPSGT1735Z	←	QYSPSGT1735Z	*QYSPSGT1730Z
231	SCREW	—	—	QYSPSGT1735Z	*QYSPSGT1730Z

MAIN BOARD ASSEMBLY <01>

REF. NO. \ MODEL	ITEM	GR-DVM55U	GR-DVM55KR	GR-DVM75U	GR-DVM75KR
PW	MAIN BOARD ASSY	YB10318A-01	*YB10318A-02	YB10319A-01	*YB10319A-02
C3050	CAPACITOR	—	*NCBA1CK-103W	—	*NCBA1CK-103W
SD3	SHIELD SHEET	—	*LY43181-001A	—	*LY43181-001A
OT7	SPACER(A)	—	*LY30029-0Q4A	—	*LY30029-0Q3A
OT8	SPACER(A)	—	—	—	*LY30029-0Q1A

JACK BOARD ASSEMBLY <09>

REF. NO. \ MODEL	ITEM	GR-DVM55U	GR-DVM55KR	GR-DVM75U	GR-DVM75KR
PW1	JACK BOARD ASSY	YB10323A1	←	YB10323A1	YB10323B1
Q2801	TRANSISTOR	—	—	—	2SD1979/S/-X
R2801	MG RESISTOR	—	—	—	NRSA63J-103X
R2805	MG RESISTOR	—	—	—	NRSA63J-0R0X
C2801	CAPACITOR	—	—	—	NCB31CK-683X
C2803	CAPACITOR	—	—	—	NCB31EK-153X

Notes : Mark ← is same as left.
 Mark — is not used.
 Mark* reference model was also changed.



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