

Instructions

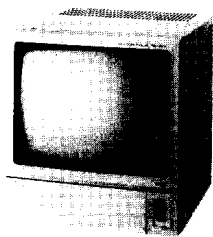
JVC

TM-923B/TM-123

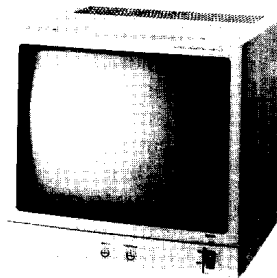
(9 inch)

(14 inch)

VIDEO MONITORS



TM-923B



TM-123

For Customer Use:

Enter below the Serial No. which is located on the rear panel.
Retain this information for future reference.

Model No. **TM-923B/TM-123**

Serial No. _____



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equi-lateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Information for USA

This device complies with Part 15 of the FCC Rules. Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

Due to design modification, data given in this instruction book are subject to possible change without prior notice.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

AVERTISSEMENT:

POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER L'APPAREIL A L'HUMIDITE OU A LA PLUIE.

INFORMATION (FOR CANADA) RENSEIGNEMENT (POUR CANADA)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur : "Appareils Numériques". NMB-003 édictée par le ministre des Communications.

Thank you for purchasing the JVC TM-923B/TM-123 Video Monitor. To gain maximum benefit from the monitor and for correct operation, please read this booklet carefully. After reading it, retain for future reference.

CONTENTS

FEATURES	Page 2
PRECAUTIONS	2
CONTROLS, CONNECTORS AND INDICATORS	3
CONNECTIONS	4
OPERATION	6
SPECIFICATIONS	6

FEATURES

- Clear, sharp reproduction of details with horizontal resolution of more than 700 lines (at center).
- Neatly-designed front panel
Control section is hidden behind a flip-down panel (TM-923B).
Control knob design features no protrusion from the front panel (TM-123)
- Logical design
Provided terminator switch and through out terminals, enabling video signal transmission to outboard unit without need for a distributor switch unit.
- Two TM-923Bs can be mounted together in a standard EIA 19" rack using the optional UC-P1016U Rack Mount Adapter.
- One TM-123 can be mounted in a standard EIA 19" rack using the optional UC-P1027U Rack Mount Adapter.

PRECAUTIONS

Safety Precautions

- **TM-923B/TM-123 can not be used in a foreign country where the type of power source, voltage, or television system is different.**
- Do not attempt to modify the monitor or operate it with its cover removed.
- Do not allow inflammable objects, water or metallic objects to get inside the monitor as this could cause damage or a malfunction.
- When there is any abnormality (abnormal noise, smell, smoke, etc.), switch off and contact your nearest JVC-authorized service agent.
- Do not use the unit with its heat dissipation holes covered. The rise in internal temperature may damage internal parts.

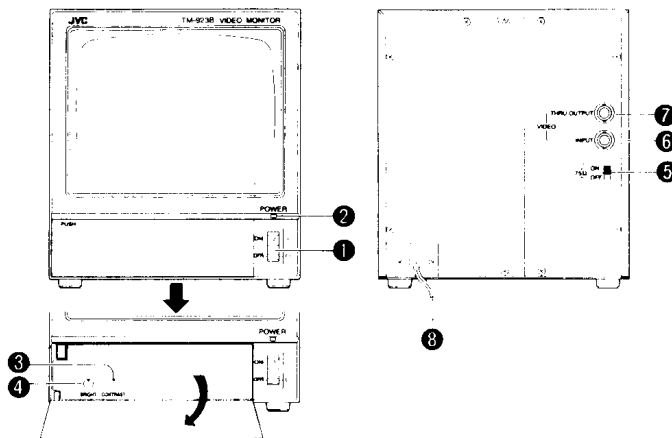
Handling Precaution

- If used near a source of powerful electromagnetic waves or a magnetic field, for example near a radio or TV transmitter, a transformer, motor, etc., noise could enter the picture.
- Do not use this unit in a place exposed to direct sunlight, substantial humidity and/or dust, or where vibration is frequent.
- Input signal:
TM-923B/TM-123 has been designed exclusively as black-and-white monitor. Do not connect with color video cameras.
- Do not turn the power switch ON and OFF in short interval. Otherwise, it may make the life time of CRT shorter.

2

CONTROLS, CONNECTORS AND INDICATORS

• TM-923B (9")



1 Power switch (POWER)

Turns the power on and off.

2 Power indicator

Lights when power is on to indicate that the monitor is operating.

3 Contrast control (CONTRAST)

Adjusts picture contrast.

4 Brightness control (BRIGHT)

Adjusts picture brightness (luminance).

5 75-ohm termination switch (75 Ω)

ON : Set when not using Video output connector 7.

OFF : Set when using looped-through connection of Video signal input connector 6 and Video output connector 7.

Refer to "Looped-Through Connection" on page 5.

6 Video signal input connector (VIDEO INPUT)

Connect to a video signal from a video camera or recorder.

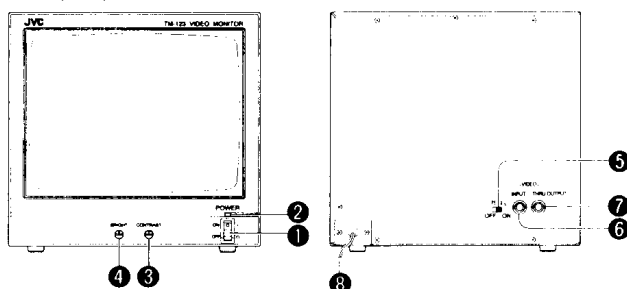
7 Video output connector (VIDEO-THRU OUTPUT)

Looped-through output of the video signal input to the Video signal input connector 6. Connect to the Video input connector of a video recorder or another monitor.

8 Power cord

Connect to a standard 120 V AC power outlet.

• TM-123 (14")

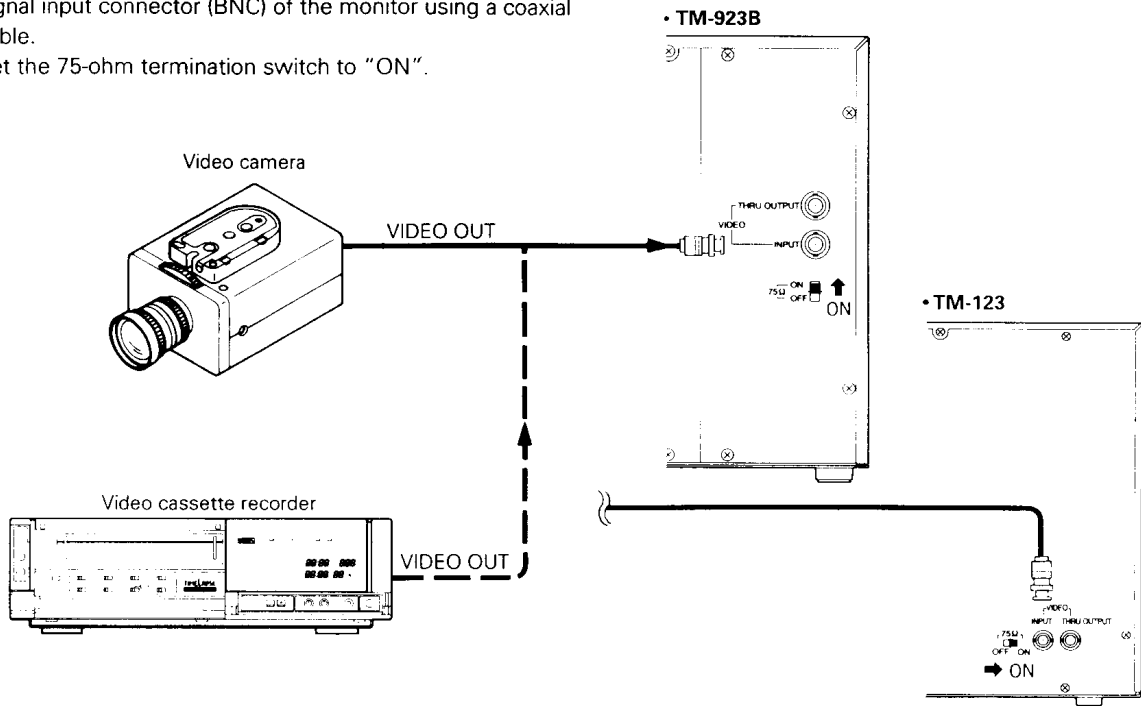


CONNECTIONS

Connection to Video Camera, Video Cassette Recorder, etc.

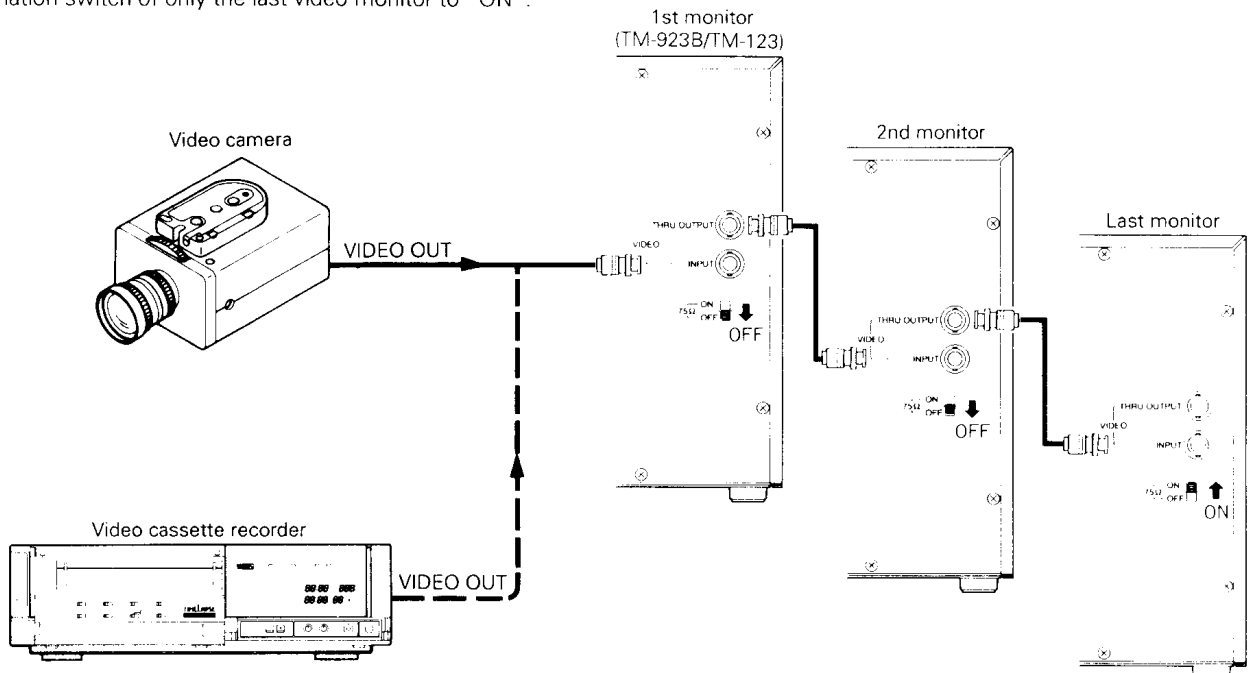
- (1) As shown in the diagram below, connect the video output connector of the video camera, VCR, etc. to the Video signal input connector (BNC) of the monitor using a coaxial cable.
- (2) Set the 75-ohm termination switch to "ON".

Note:
For operations of the video camera or video cassette recorder, see the instructions provided with it.



Looped-Through Connection

Connect as follows for displaying the same picture on two or more TM-923B/TM-123 video monitors. Set the 75-ohm termination switch of only the last video monitor to "ON".



* The diagram above shows an example of connections when using the TM-923B.

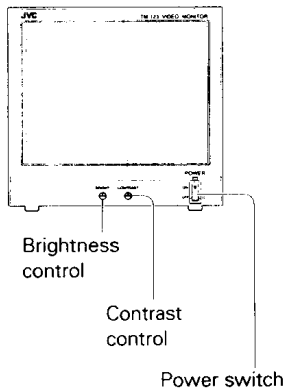
OPERATION

- (1) Connect the video camera, additional monitor, etc. as described on pages 4 to 5.
- (2) Set the monitor's Power switch to "ON".
- (3) Open the front panel by pressing the spot labeled "PUSH".
(For TM-923B only)
- (4) Adjust the Contrast and Brightness controls as required.
(For TM-123, these controls are located on the front of the unit.)

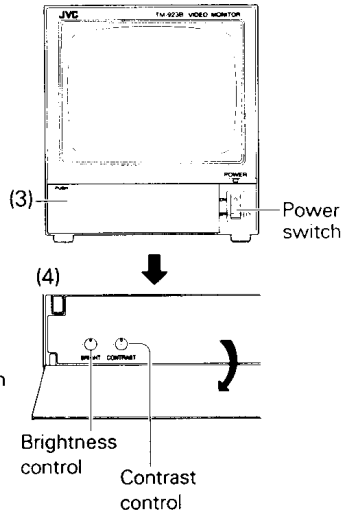
Note:

If brightness VR is turned too quickly, brightness of picture may not respond.

• TM-123



• TM-923B



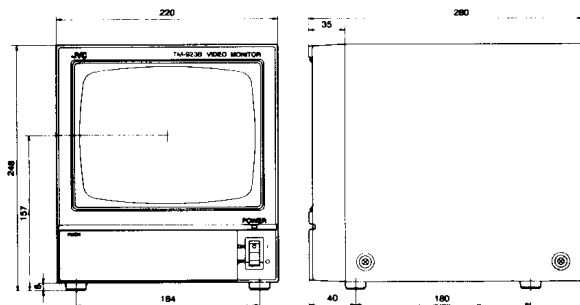
SPECIFICATIONS

Television system	: U-type : EIA EG-type : CCIR
Horizontal resolution	: More than 700 lines (at center)
Scanning frequencies	
Horizontal	: 15.75 kHz (U-type) 15.625 kHz (EG-type)
Vertical	: 60 Hz (U-type) 50 Hz (EG-type)
Video input	: 1 V(p-p) (Composite video signal), 75 ohms
Video output	: 1 V(p-p) (Composite video signal), 75 ohms, looped-through
Power supply	: 120 V AC, 60 Hz (U-type) 230 V to 240 V AC, 50/60 Hz (EG-type)
Power consumption	: TM-923B : 25 W TM-123 : 27 W
Ambient temperature range	: -10°C to +50°C (14 to 104°F)
Weight	: TM-923B : 6.2 kg (13.7 lbs) TM-123 : 10.5 kg (23.1 lbs)

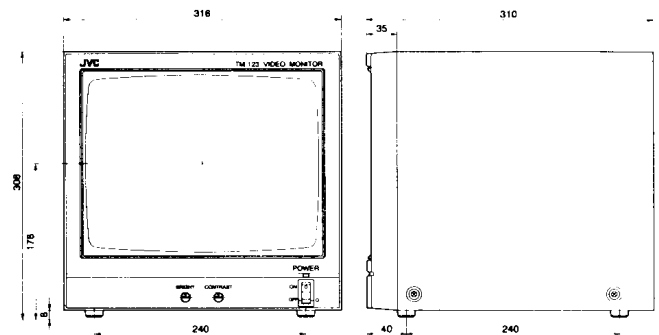
Design and specifications are subject to change without prior notice.

Dimensions (unit: mm)

• TM-923B



• TM-123



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