

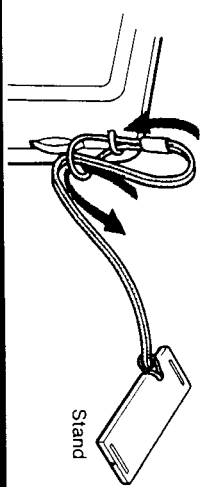
SONY

3-750-650-21 (1)

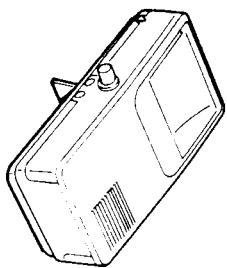
Using the Stand and the Carrying Case

Using the Stand

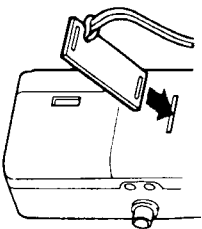
To attach the handstrap



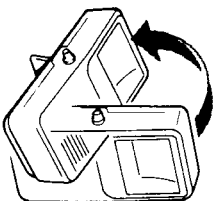
To attach the stand



1



2

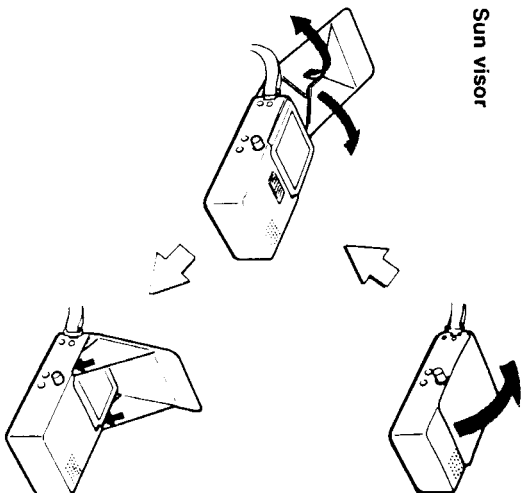


Using the Carrying Case

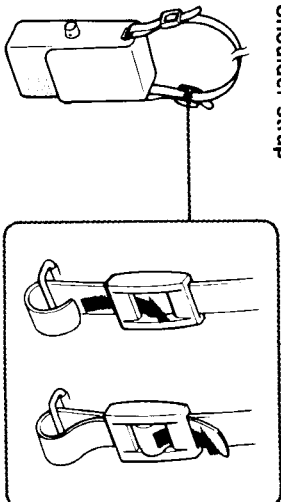
To attach carrying case

When attaching the carrying case, remove the connector cap and insert the VIDEO IN connector to the hole on the side of the case. Be sure to fasten a snap on the top of the carrying case.

Sun visor



Shoulder strap



Flat Display Monitor

FDM-030

EIA/CCIR 2 systems

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model and the serial numbers are located at the rear.

Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

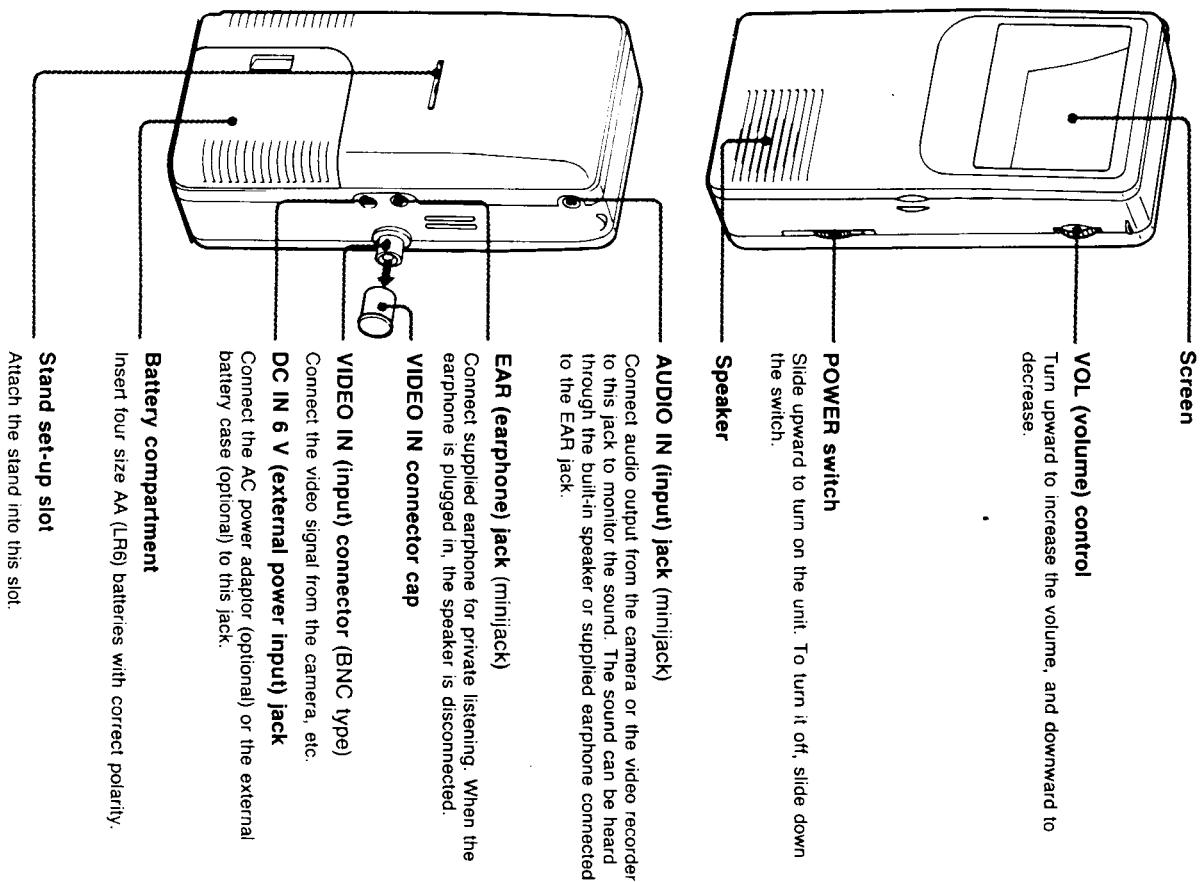
Model No. FDM-030

Serial No. _____

Features

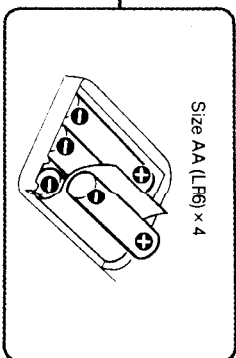
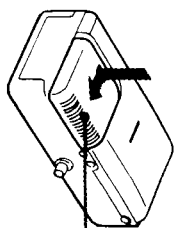
- 2.7-inch flat display back and white for handy use.
- EIA/CCIR compatible by digital auto vertical lock.
- Hand-held video monitor.
- Compact and lightweight for easy portability.
- Operates on 4-"AA" batteries.
- BNC-type video input. Audio in-mini/jack type.

Parts Identification



Power Sources

Batteries



Note: The use of alkaline batteries is recommended.

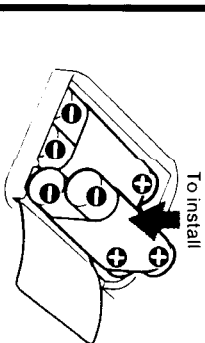
House Current

Connect the optional AC-D4M AC power adaptor to DC IN 6 V jack.

External Battery case

Insert for size C (LR 14) batteries into EBP-6 external battery case (optional) and connect it to DC IN 6 V jack.

Rechargeable Batteries



Sony BC-310K battery charger kit can be used. Before installing the batteries of the BC-310K kit, charge them for approx. 2 hours with the charger. For details, see the instruction manual of the BC-310K.

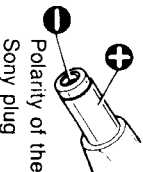
Battery life

Batteries	Batteries
Sony alkaline AM3 (N)	Approx. 4 hours
Sony alkaline AM2 (N) used in the optional EBP-6 external battery case	Approx. 7 hours
Rechargeable battery supplied with optional Sony BC-310K battery charger kit	Approx. 2 hours

When to replace batteries

As the batteries become weak, the picture becomes smaller and moves to the upper screen. When the picture suddenly becomes dim, replace all the batteries with new ones.

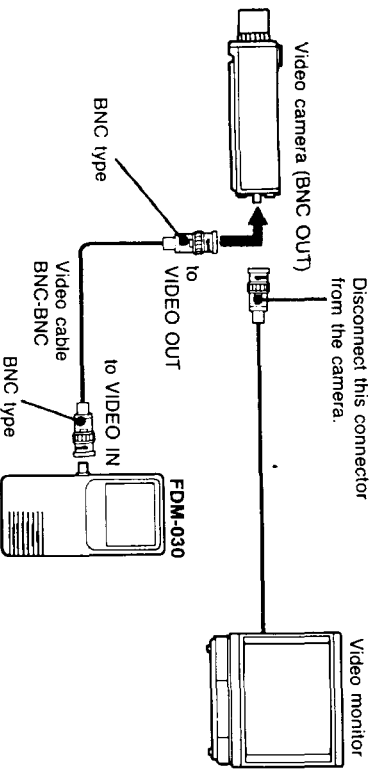
Note: Use only the recommended AC power adaptor manufactured by Sony. Polarity of the plugs of other manufacturers may be different.



How to Use

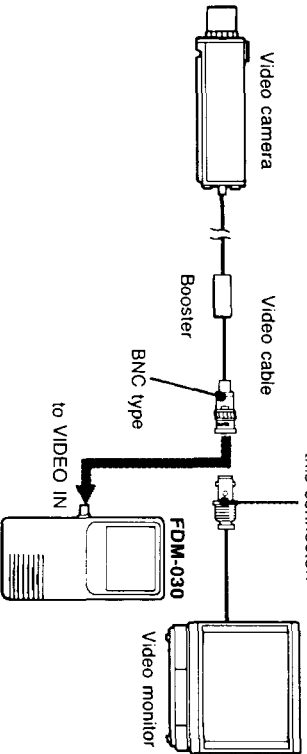
A As a video monitor of the video camera at the installation site

Adjust camera position, focal length or focus.
Examine whether video signal is output from the camera.

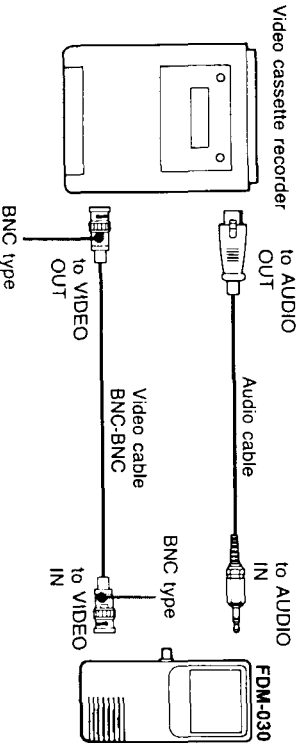


B To examine the signal loss or interference at the connecting point of the video cable

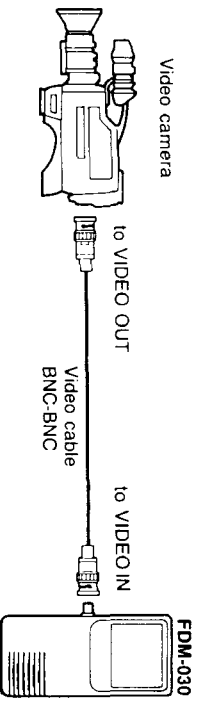
Disconnect this connector.



C As a video and audio monitor of the portable video cassette recorder

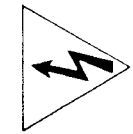
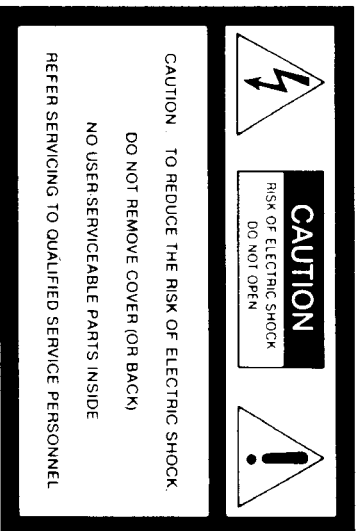


D On other various places or occasions that the portable video monitor is needed

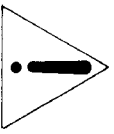


WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Precautions

- On safety**
- Operate the unit only on 6 V DC.
 - For AC operation, use the optional AC-D4M AC power adaptor. Do not use any other type.
 - Should any solid object or liquid fall into the unit, unplug the AC power adaptor or car battery cord and have the unit checked by qualified personnel before operating it any further.
 - Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, excessive dust, or mechanical shock, or in a car with its windows close.
 - Avoid rough handling.
 - Disconnect the AC power adaptor from the wall outlet when the unit is not to be used for an extended period of time. To disconnect the adaptor, pull it out by grasping the plug. Never pull it by the cord.
 - After operating this unit with an AC adaptor, be sure to disconnect the adaptor from the mains. The power switch on this unit does not turn off the AC adaptor.
 - When no signal is input, the vertical length of the screen becomes somewhat shrunk, but this is not a problem.
- On cleaning**
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the finish.
- On operation**
- Not recommended for outdoor use when it is raining.
 - The picture may sometimes appear distorted because of terrestrial magnetism.

Specifications

- Video Tube**
- Picture tube 2.7-in. (6.86 cm) flat display tube
 - Horizontal resolution 280 lines at center (approx.)
- Electrical**
- Audio input signal -10 dBs (0 dBs -0.775 Vrms)
 - Audio input impedance 4.7 k Ω
 - Video input signal Composite 1.0 V peak-to-peak
 - Video input impedance 75 Ω
 - Scanning system Automatic switching system by detecting the input signal, with EIA-priority
 - EIA: 525 lines, 30 frames/sec.
 - CCIR: 625 lines, 25 frames/sec.
- Scanning method Interface and non-interface
- Horizontal frequency range 15,234 kHz - 16,234 kHz
- Vertical frequency range EIA 60 Hz, CCIR 50 Hz
- H-frequency countdown vertical auto locked IC
- Input power 6 V DC
- Power consumption 2.3 W (6 V DC)
- Control and Connectors**
- Control Power ON/OFF 2-position slide switch
- Connectors Video input: BNC type jack, imp. 75 Ω
- Audio input: Mini-jack, imp. 4.7 k Ω
- Power: Miniature DC jack

- When monitoring the picture from the video camera, the outskirts of the picture taken by the camera will not be projected on the screen. However, this is not a problem.
- When the unit is used outdoor under bright lighting conditions, use the sun visor attached to the supplied carrying case.
- This unit is compatible with the EIA and CCIR systems. As this unit adopts the EIA-priority system, and the automatic switching system by detecting the input signal, it is always under EIA mode when no signal is input while the power is on. When a CCIR signal is input, the unit automatically changes the mode to CCIR mode. (At this point, the picture may be distorted for a moment.) While a CCIR signal is being input, the unit maintains the CCIR mode. If no signal is input or the power is turned off under CCIR mode, the mode is automatically changed to EIA mode and the EIA mode remains until a CCIR signal is input again.
- Depending on the video cassette recorder connected to this unit, the picture may be distorted in various playback modes, such as still picture (playback pause) or picture search (REW, FF). In such a case, change the playback mode to normal playback (FWD).
- When the batteries become excessively weak, the automatic switching system may not work properly. In such a case, replace all batteries with new ones.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult the nearest Sony Security Systems specialist.

- Mechanical**
- Dimensions Approx. 76.2 x 154.5 x 48.4 mm (w/h/d)
(3 x 6 1/8 x 1 7/8 inches)
 - Weight Approx. 400 g (14 1/2 oz)
incl. batteries

- Environmental**
- Operating temperature -0°C to 40°C (32°F to 104°F)
 - Storage temperature -20°C to 55°C (-4°F to 131°F)
 - Humidity • 10% to 80%, noncondensing
- Supplied accessories
- Sony alkaline battery AM3 (N) (4)
 - Earphone (1) Handstrap (with the sand) (1)
 - Carrying case (1)
- Design and specifications subject to change without notice.

- Optional Accessories**
- AC power adaptor AC-D4M External battery case EBP-6
 - Rechargeable battery BP-310
 - Rechargeable battery kit BC-310K