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ramera

KOWA



Color samples of front cabinet

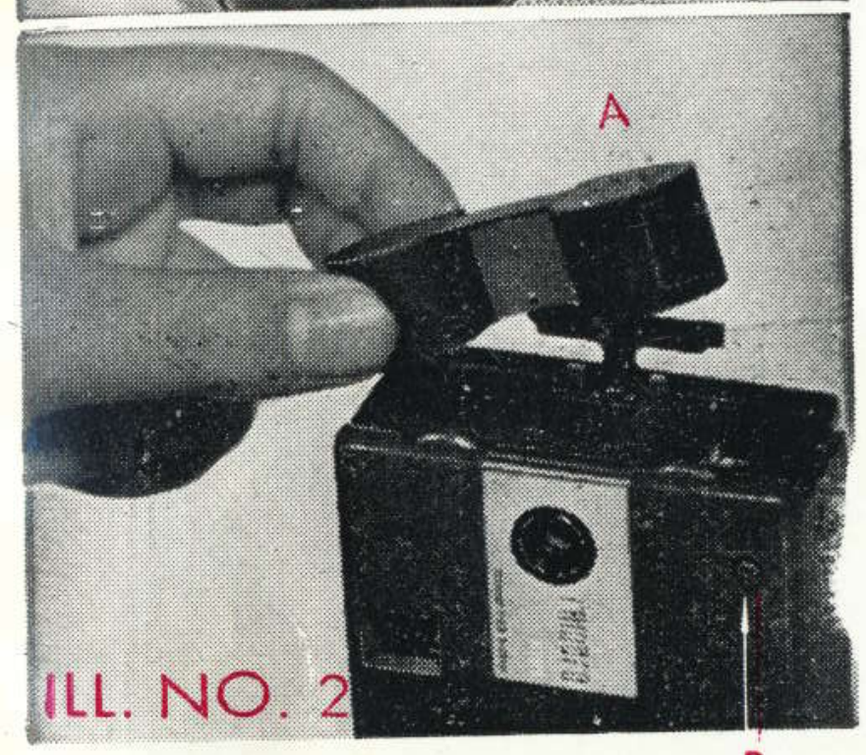
Red Blue Ivory Black

KOWA COMPANY LTD.

No. 11 Higashi Matsushitacho Kanda Chiyodaku Tokyo Japan

HOW TO USE RAMERA





Easy Instructions as to how to use the Camera:

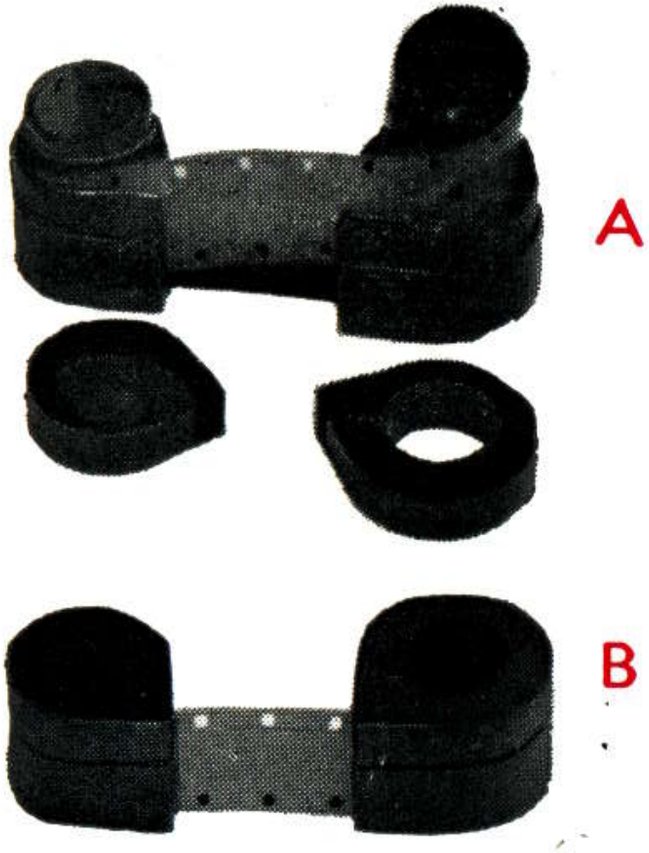
To load the film: First push the round button on the side of the **Ramera** unhooking the lid clasp (Illustration No. 1-A) which opens the camera's hinged lid. Then raise the tension clip which is used to hold the magazine in place to the position shown in Illustration No. 1-B. Place the magazine into the magazine chamber so that it fits solidly against the bottom of the chamber. When the tension clip is erect, the film pressure plate automatically moves backwards making a space for the film, however, if the magazine does not slip into the chamber easily, pull the film advance lever (Illustration No. 3-D) **o**nce, which will revolve the teeth, and the magazine will then slip easily into place.

After placing the magazine into the camera (Illustration No. 2-A)

which will revolve the teeth, and the magazine will then slip easily into place.

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After placing the magazine into the camera (Illustration No. 2-A), lower the tension clip into place, and close camera lid, making sure the catch is firmly engaged by pushing on the lid clasp button when closing the lid. The exposure counter is automatically set whenever a magazine is loaded with the letter "S" (meaning Start) appearing in the exposure indicator window. Pull the film advance lever three times, after which a diamond mark will appear, being ready to take picture number one, when the first picture is taken, pull the advance lever and the figure number "2" will appear for the second picture; on the exposure counter, numbers are alternated with the spot mark, the last number being number 20, and also the last picture on the roll of film. (use Minolta-16 FILM)



ILL. NO. 4

Instructions for loading Bulk Film into the Special Magazine used in the Ramera;

Any 16mm Kodak, or other bulk film, black and white, or color, can be loaded into the magazine used in the Ramera The film must be loaded in a dark room in the following manner:

Cut a strip of film 43 centimeters (or about 17 inches) long winding it into a small roll with the sensitive side of the film inside, place the film into the smaller of the two chambers with the

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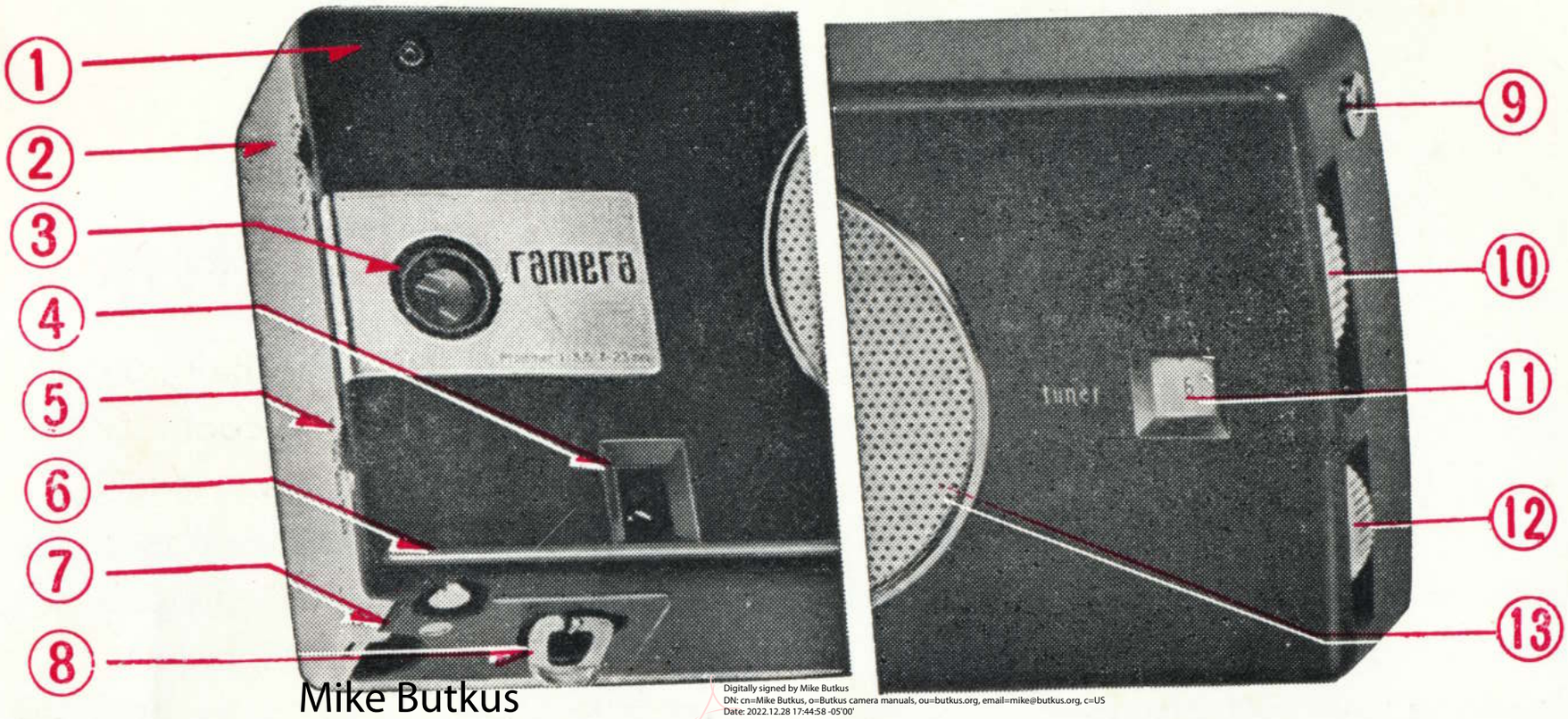
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Camera Description:

1. Synchronization Receptacle
2. Shutter Opening "F" Settings
3. "PROMINAR" Camera Lens
4. View Finder
5. Shutter Speed Control
6. Shutter Release Button
7. Camera Lid Openg Button
8. Film Advance Lever

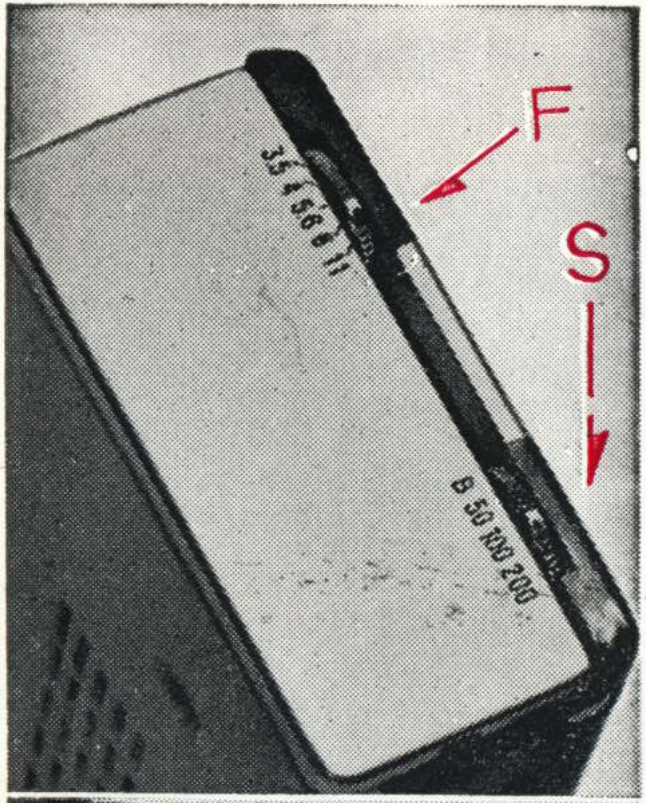
Radio Description:

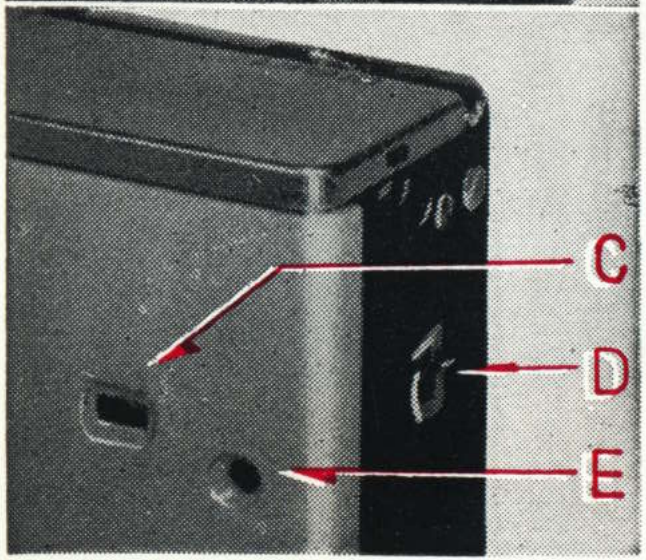
9. Earphone Plug Receptacle
10. Station Selection Dial
11. Station Selection Numbers
12. Switch, and Volume Control Dial
13. Speaker

end sticking out at least one inch, replace the lid on the small chamber. Next remove the take-up drum from the larger chamber and fasten the film firmly to it with scotch tape, secured to both sides of the film, being sure that the film is fastened at a right angle to the drum, to assure smooth winding. Then replace the drum with the film attached ready for winding when taking pictures. (Illustration No. 4-A) Replace the lid on the larger chamber and fasten it on tightly with scotch tape.

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ILL. NO. 5





ILL. NO. 3

Instructions for taking beautiful clear Ramera Pictures.

When the magazine was placed in the Ramera and the film advance lever pulled three times, with the diamond mark appearing in the exposure counter window, the shutter is automatically cocked, and the Ramera is ready to take its first picture.

Adjust the shutter speed to the desired speed of the shutter, and the "F" opening according to light condition of the subject being photographed (Illustration No. 5-F, S). The **Ramera**'s 1:3.5 lens has a very wide angular field, and a very short focal length of 23 mm which gives a remarkably deep depth of field, therefore enabling you to take very clear close up pictures, as well as pictures taken at any distance up to infinity.

Centering the subject to be photographed in the view finder, holding the Ramera very steady and tightly against your face you are ready to snap the shutter by pressing down on the shutter release button.

After taking a picture when the film advance lever pulled to advance the film for the next picture, and the shutter is cocked a "Red Dot" will appear in the exposure counter window, indicating that the Ramera is all ready to take another picture. As soon as the shutter is released this "Red Dot" will disappear giving you full view of the number of pictures you have left on the exposure counter, and indicating to you that your Ramera is not cocked and ready to take your next picture.

When you have taken the entire roll of film and the number "20" appears, the exposure counter will not move any more. To wind any remaining film into the cartridge: take-up chamber, pull the film advance lever at least three times, before opening the lid of the camera to take the magazine out to be developed and printed.

Flash pictures:

The Ramera' shutter release button is synchronized for the use of any standard flash attachment, which can be plugged into the synchronization receptacle under the lens on the face of the Ramera (Illustration No. 2-B). When the shutter release button is pressed down it will automatically cause the flash instantaneously, when the flash equipment is attached for taking flash pictures.

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Instructions for the Radio

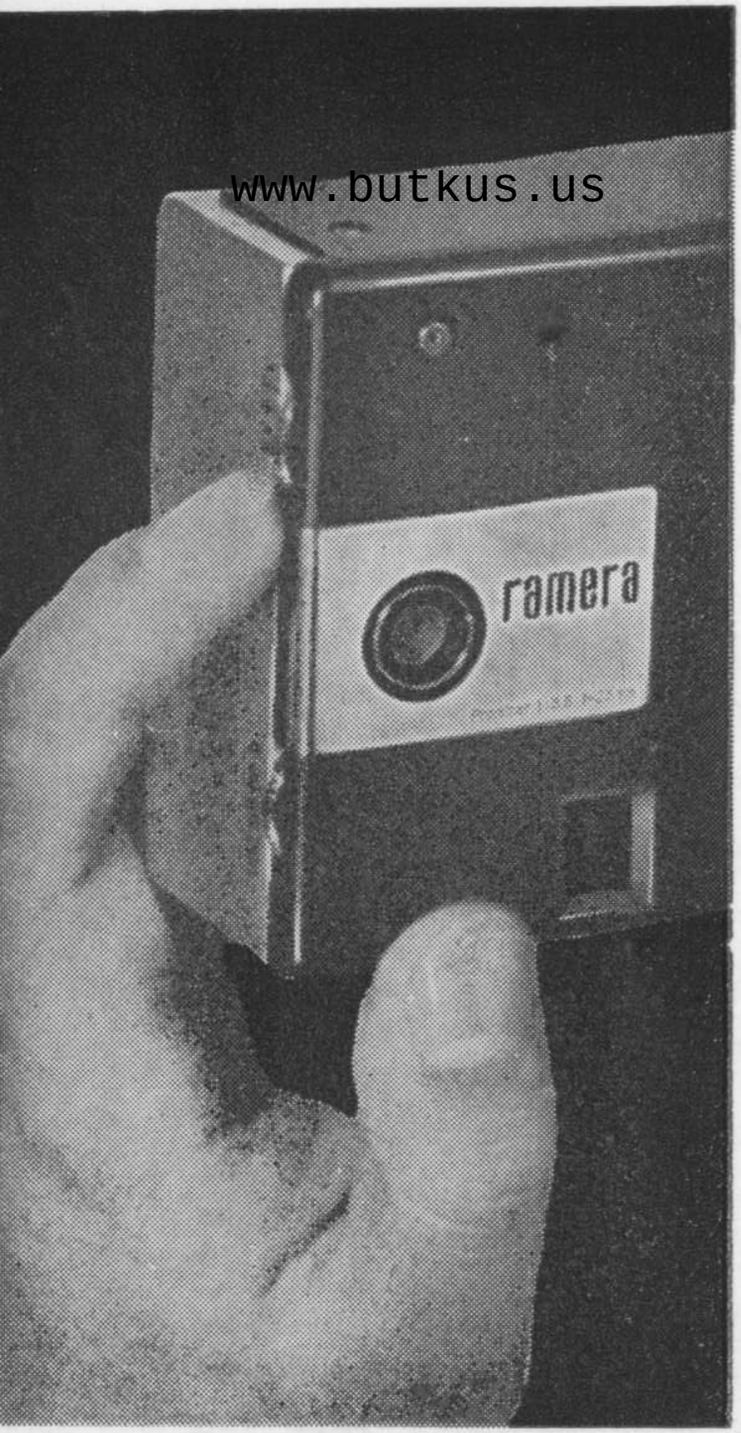
Turn Volume Control Dial downwards and the unit is switched "on" immediately, then turn Station Selection Dial to the desired station. When tuning is complete, turn Volume Control Dial to desired level. To use the earphone, place the earphone plug into the Earphone Plug Receptacle on the top of the unit. Please observe the following precautions to obtain the maximum life and enjoyment from your radio.

1. To turn unit off, turn Volume Control Dial until a line mark appears.

2. To replace battery turn unit off and open back cover by inserting coin in slot provided and twist lightly.
   Remove old battery and insert new one in accordance with the ± on the battery case.

3. If unit is not in use for two or three months it is recommeded that you remove battery and store both items in a cool dry place.

Specifications of RAMERA



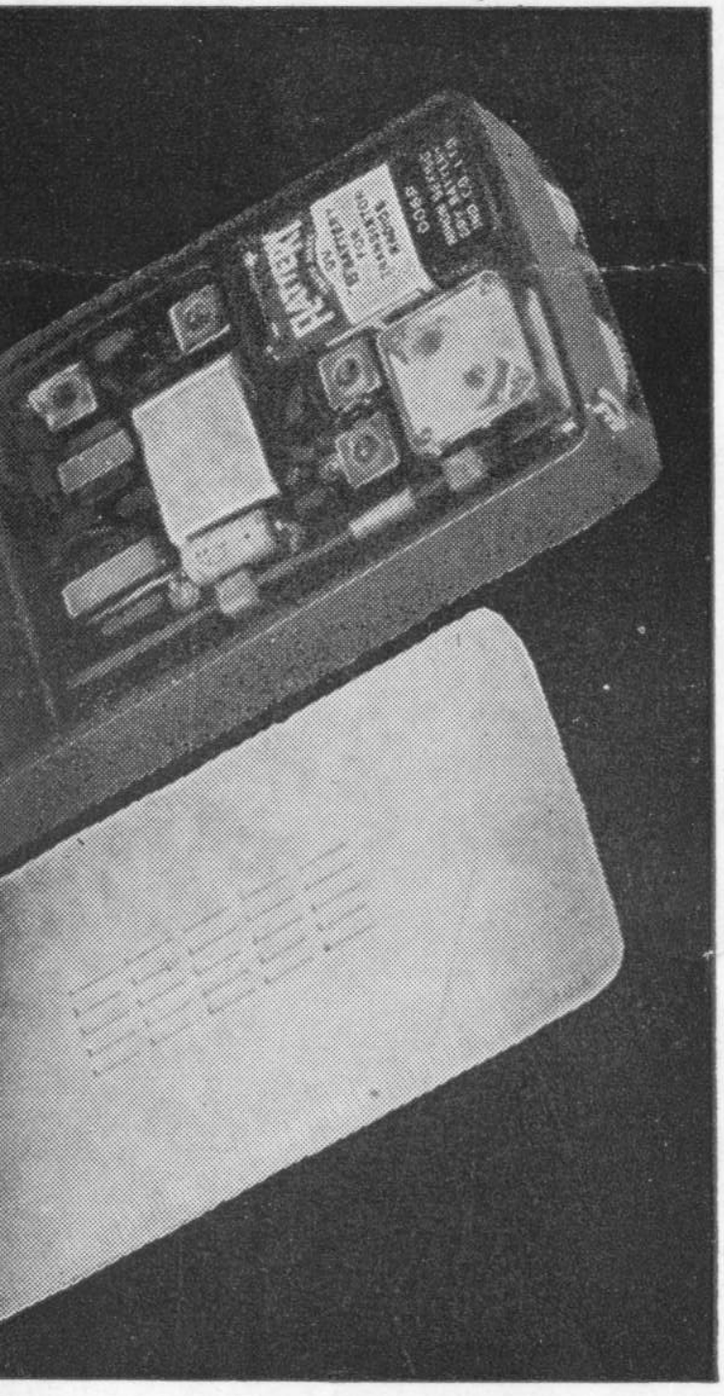
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Camera:

Film to be used	:	16mm
Lens	:	F 3.5 23mm
Diaphragm (F)	:	3.5 4 5.6 8 11
Shutter Speed	:	B 1/50 1/100 1/200
Synchro	:	X Synchronization
Accessories	:	Special Magazine

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ILL. NO. 6



Radio:

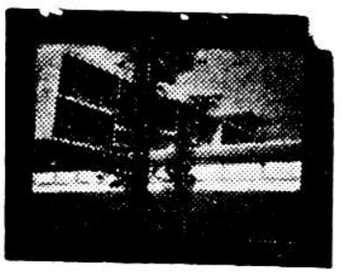
Frequency Range	:	535 /1605 kc/s
Sensitivity	:	500 μ v/m
Intermediate Frequency	:	455 kc
Electric Power Output	:	Maximum Rated Output 100mw, Undistorted Maximum Output 70mw
Transistor	:	6 Transistors, 1 Diode, 1 Thermistor
Speaker	:	2 1/4" Permanent Dynamic Speaker
Battery	:	9V Layer-built Battery, 1 Piece. (Burges 2U6, Eveready 216, RCA VS306, Ray-O-Vac 1064, JIS BL-006p)
Accessories	:	Magnetic Earphone, 1 Piece (Weight 12 g.)

ILL. NO. 7

Size of Ramera	:	145 x 72 x 35mm
Net Weight of Ramera	:	430 g

WHAT IS THE RAMERA?

The "Ramera" is the first transistor radio-camera combination ever produced anywhere in the world, having been created by the scientific minds of the topmost engineers, and scientists of our company.
Ramera will double your holiday pleasure wherever you may go, its enjoyable radio will relax you, and with its wonderful camera your moments of pleasure, and memories of your trip, can be preserved forever.



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