

RSS 35P User's guide

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The RSS35P is a 35mm panoramic pinhole camera with a frame size of 35x72mm and sprocket area exposed.

It must be loaded with 2 cannisters (film flows from one cannister to another and is rewound in camera at the end of the film. The empty cannister can be reused again and again.

Preparing the film:

The empty film canister needs to be prepared as shown with a few cm's of film. If you home develop it's a good idea to create a stock of this type of canister. If you have a very old 35mm film you could use that rather than sacrificing a fresh roll.



Once the empty cannister is ready the fresh film to be shot must be taped to the empty cannister as shown. Cut the leader off the fresh film to get a straight edge. The cannisters should look as shown. When taping ensure to tape over edge of the film and fold over to the other side (this is avoid jamming in the camera on unload).



Load the film to the camera:

First thing to do is the take the 'clicker' out of its working position in the camera. The film will not load with the 'clicker' in place. You can place the clicker on the magnet placeholder supplied inside the camera on as shown.



Load the film into the camera as shown (the camera lid will not fit if you try and do it the wrong way)



Ensure the canisters are well seated and put the clicker in place. (Ensure it is not stuck to the cannister which can happen as cannister is made of steel).



Before putting the lid on the camera ensure the dot on the 'rewind switch' is the 3 to 4 o'clock position. (This puts the switch in a position to disengage the clicker for rewinding the film, if put in the wrong position it will not be possible to rewind the film in the field).



Put the lid on the camera (not possible to do it wrong way around).

Frame Spacing:

For the first photo after the camera has been closed you should wind on at least 20 clicks. When a photo has been taken wind on the film using the bigger knob. Count 18 clicks to space the frames (This will give a nice gap between frames which is useful for cutting and scanning).



Exposure guide:

Note that the f number of 135 applies to the centre of the frame and the edges will have a higher f number. In tests with the camera the best results were found by adding two stops to f/135.

This does not include reciprocity or filter factors (if using filter more exposure will be required depending on the filter).

RSS 35P - EXPOSURE CHART

f16	f/135	+2 Stops
1/125	<i>0.6</i>	<i>2.4</i>
1/60	<i>1.2</i>	<i>4.8</i>
1/30	<i>2.4</i>	<i>10</i>
1/15	<i>5</i>	<i>19</i>
1/8	<i>10</i>	<i>38</i>
1/4	<i>19</i>	<i>1m20</i>
1/2	<i>38</i>	<i>2m40</i>
1 sec	<i>1m20</i>	<i>5m20</i>
2 sec	<i>2m40</i>	<i>10m40</i>
4 sec	<i>5m20</i>	<i>22m</i>

Meter at f16 and convert for pinhole camera.

Reciprocity not included.

Rewind and Unload

To rewind the camera the 'clicker' has to be disengaged from the film. Rewinding without turning the rewind switch counter clockwise can result in broken film. This is done by turning the rewind switch counter-clockwise (small black dial a small amount so that the dot lines up with the 2 o'clock position).

Hold it here and rewind the film using the smaller left-hand knob (wind clockwise to rewind). Rewind to the end. Open the camera and take out the clicker and put it on its magnetic placeholder. Then tap the camera upside down off your hand and the film will come out.

Save the empty roll prepared earlier for the next time you use the camera.



Scanning

Having a lab scan your film you will likely miss out on the sprocket areas unless they offer a special service.

Home scanning works well as you can tape the negatives to the glass of a flatbed scanner. (Using negative holders will make you miss out on the sprocket area). Taping the negatives matt side down works best and will avoid Newton's rings. The images can be flipped afterwards in photoshop or similar software.