

RCA Version Specifications

Microscope Compatability

Fits standard 23mm eyepiece tubes
30mm stereoscope adapter included

Output

6-foot cord with composite video (RCA)

Sensitivity

5 lux

Signal

NTSC or PAL available

Power

9V DC < 1amp

Includes 110V AC adapter, 220V available

Image Sensor

1/3 inch color CMOS chip

Dimensions and Weight

Length: 2.5" (63mm)

Diameter: 1.25" (32mm)

Weight: 3 ounces (85g)



Model pictured:

MiniVID RCA (MVC-RN77-EMT1)

Not all features available on all models -
see back page for model specifications.



- Small and Portable
- Works With Any Standard Eye Tube
- USB & RCA Models Available



Introduction

The MiniVID eyepiece camera is available with an RCA output connection. Plug it in to your TV, VCR, or computer. Then, attach it to any microscope for instant video micrography. The innovative MiniVID eyepiece camera slips into any standard microscope eyepiece tube, in place of the eyepiece, for crisp imaging in an instant.

Recommended
Upgrades:

Ask your
authorized LWS
dealer about
additional
accessories



Unpacking and Setup

The MiniVID RCA comes delivered in a blue case with the following parts. If any parts are missing, please contact your distributor or LW Scientific.

- 1-MiniVID Camera
- 1-Power Cord
- 1-30mm adapter
- 1-30.5mm adapter

Setup

First, connect the power cable into the plug on the cable from the MiniVID. Then plug the transformer into a 110v wall outlet. The red light on the top of the MiniVID should light up. If it does not, please ensure the outlet is working properly then call LW Scientific.

Now connect the RCA connector from the MiniVID into the "Video In" jack on a TV, VCR, projector, or other video device. Change the setting on your TV or other device to recognize the input from the RCA jack.

Using With a Computer

The MiniVID RCA may be used with an appropriately equipped computer or laptop. Check your computer's specifications to see if it has an RCA video input. Most computers require the addition of an image capture card or a USB video adapter in order to capture and print digital images from the MiniVID RCA. LW Scientific also offers a USB version of the MiniVID which will connect to any Windows PC.

Use on a Microscope

To use on a microscope, first focus microscope on a slide as you normally would. If your microscope has a standard 23mm diameter eye tube (most compound scopes), remove the microscope's eyepiece, and slide the MiniVID in its' place. You should now see the slide on your TV or video device.

If your microscope has a 30mm diameter eye tube, as most stereoscopes have, then after removing the eyepiece, you must insert the included 30mm adapter. Now, insert the camera. You should now be able to view the slide on your TV.

If you are not able to view the slide, make sure the light is on your microscope, and that the MiniVID is plugged in properly. If you continue to have a problem, contact LW Scientific.

Note: The MiniVID increases the apparent magnification of your microscope, which results in a smaller field of view.

General Precautions and Maintenance

Treat your MiniVID as you would any high-quality electronic device. Handle it with care, and do not expose it to moisture or extreme temperatures. Only use the supplied power supply. Other power supplies, even if they "fit" the power jack, may produce improper voltages causing damage to the MiniVID.

The lenses on the MiniVID can be cleaned with lens paper and lens cleaning solution. Do not touch the chip inside the camera. If you see spots on the video screen, there is likely dust on the chip. This can be cleaned by blowing canned air into the camera.