



800-698-7412

A.W. Perkins Company

ROVAC® Video Inspections System for Chimneys

Item 9671A Owner's Manual

1. Introduction

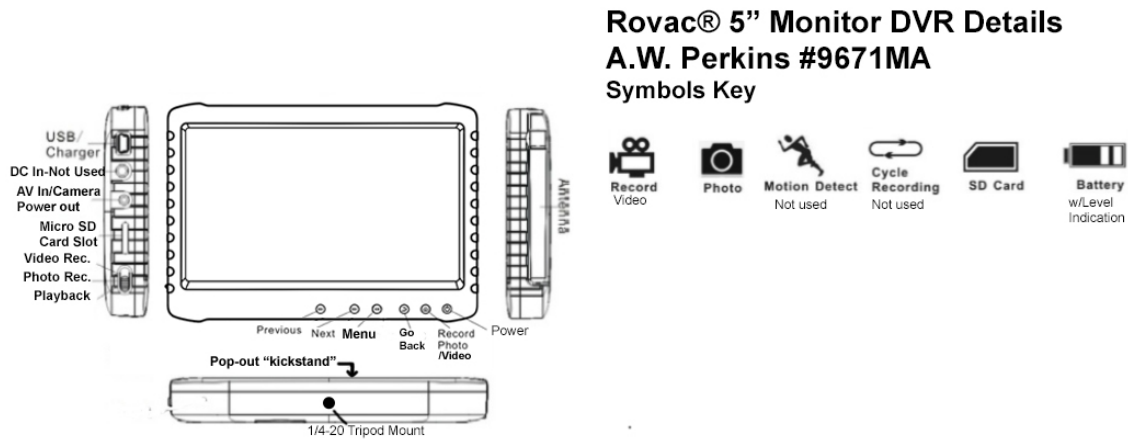
Thank you for choosing our Rovac® video system. Before using, please read these and any other instructions carefully to become aware of the features and limitations of this equipment. This manual should be kept available for reference in the future.

This system has a wired primary camera with centering device and a handy wireless camera for handheld smoke chamber inspections. The wireless video monitor is used to view and record either camera's images.



2. Components

Wireless Monitor DVR



- **2.4 GHz Wireless receiving mode**
- **Fold-away antenna and pop-out "kickstand"**
- **Records video from our wireless or wired cameras**
- **Allows photo to be taken using video/photo switch**
- **3200 mAhr Li-battery w/10 hrs record time (1 hr time w/camera lamps on)**
- **Built in speaker**
- **MicroSD Card slot, 32 GB Max**
- **Auto shut-off and screen saver**

Basic Setup - The 5" wireless color monitor is also a digital video recorder. Charge up using the mini-USB AC or computer cords provided. 6-10 hours initial charge then, when in use, 4-6 hours are needed for a full charge. Unplug when charge is complete! A microSD card is in the slot on the left side of the camera if recording is desired. Screw on the antenna to the right side brass fitting and adjust for use. Always store antenna down and tucked away to prevent damage. Install the video signal cable as shown in Fig. 1 and 2. Push power button for 3-5 seconds and release to start unit and see the splash screen.

NOTE: The USB Chargers are for this unit only! If using this device infrequently charge it every 2-3 months for longest life. You can use the unit while charging but battery does suffer somewhat from partial charging.

Wireless Camera with swivel mount base

The wireless camera has a limited range in chimneys but is good for handheld scanning of smoke chambers, thimbles, or chimney exterior. Charge **ONLY** with provided charger for AC or charger for auto. Front red light will show during charging and turns off at full charge. Note the wireless camera charger plug tip is very small. The chargers for the monitor are mini-USB. Charge camera for 2 hours prior to use. Hold power button down for 3-5 seconds then release to engage camera light. Hit twice to brighten the lamps if needed. Quickly turning off the light will maintain video signal. Hold button down to totally kill power thus saving battery. Run time is 1 1/2 hours max. Be sure to power down when finished. To view image turn on wireless DVR and signal will automatically be received so long as the wired camera is not in use. NOTE: Verify you have turned off wireless completely by holding button down over 5 seconds. Use monitor to verify wireless camera is off!

Wired Camera w/AC Power adapter and switchable LED.

This camera comes equipped with a highly sensitive CMOS sensor, high luminous flux (f/1.2) and wide view angle (90°) in a small size.

10 high brightness white light LED lamps enable the effective recording distance of up to 16' (5m) in complete darkness.

Camera provides 520 lines of resolution in true color.

The ButtonLok centering device protects and holds the wired camera securely with a view straight up (only) the chimney or duct being inspected.

The cable end of the camera has a 3.5mm plug and on/off LED switch. The correct connection is as shown in Fig. 1. The wired camera 3.5mm end goes into the only port it fits.

The AC charger may be used to run system or charge using port shown.

There is a touch of paint on the cable end and monitor that will match.



Figure 1 - Closeup of cable connections



Figure 2 - Wired Camera Setup w/Kickstand used

Turn on monitor to verify picture. Locate camera in the holder and see that the picture is "right side up" and we recommend you line camera up with your ButtonLok hole. In this way you can tell direction (N-S-E-W) when scanning. Tighten the camera holding set screw with soft tip (2.5mm) so it holds the camera in that position. Then install the top cap with centering strands by screwing into place. Secure this with its set screw (3mm). There is a third set screw up inside fitting (4mm) that holds the lower centering strands. This is only loosened if you need to change these strands to make them longer for instance. Turn on lamp by pushing red button that is near the end of the camera cable video connector. You may record with lamp off or on. Move three way switch to video. Hit the record button to start recording video, you will note time counter advances. Slide switch to photo setting to grab a picture of items of particular interest. Switch back to record video setting to continue scan. Play back by moving the switch to the "play" setting. This may be done on monitor or view later on a computer (plug into USB on computer and turn on to see DCIM and Record and Photo folders). Add ButtonLok rods and proceed to scan playing out cable as you go. Be careful not to damage cable end by pulling on it. Proceed very cautiously around sharp metal objects such as liner edges or top plates as cable may catch and be damaged.

The monitor battery will provide lamp power and camera power which enables monitor to show an image. If monitor battery is depleted plug into wall with AC power supply/charger.

3. Notice

1. Handle all parts of this system with care.
2. Train employees in proper use and care.
3. Don't aim camera directly at the sun.
4. Use at temperatures above 40°F and below 110°F.
5. Contact us - A.W. Perkins 800-698-7412, Monday-Friday 8-5, Eastern Time.

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