The RoverCam 17MT Instruction Manual

Thank you for your purchase of the RoverCam 17MT Dual Purpose Camera system!

1.1 Features of the RoverCam 17MT:

- Move from drill to drill quickly and easily
- Use it roaming the field or put it in the tripod to use it as a traditional EZ system
- Can easily change height from 7’ to 17’ to give you the a lot of flexibility shooting on the field.
- Can be setup and stored in less than 5 minutes!
- Comes with an accessory case for easy transport
- The camera is powered by the battery at the base, freeing you from having to buy an extended life battery for the camera.

- Designed to protect your investment
- Quick release plate for the camera to allow for easy setup, and protection foot to allow you to set the ROVERCAM 17MT down on the ground!
- Motorized tilt head for camera, allowing you to change angle to maximize full height of the system!
- Adjustable and protected 8 inch monitor with 450 CD/M2 brightness, providing you a bright and clear view!

1.2 Warnings

1.2.1 Overhead Power Lines Warning

Overhead power lines are especially hazardous because they carry extremely high voltage. **Fatal electrocution is the main risk, but burns and falls from elevations are also hazards.** Using tools and equipment that can contact power lines increases the risk. You must take adequate care to make sure that the RoverCam 17MT is not operating close to overhead power lines.

How Do I Avoid Hazards?
Look for overhead power lines. Post warning signs. Stay at least 30 feet away from overhead power lines. Unless you know otherwise, assume that overhead lines are energized.

1.2.2 Be Careful when extending the RoverCam 17MT Masts

Each RoverCam 17MT should only be extended up to the RED Mark painted on each section. If you extend the section past the RED mark on the section, you can remove the section mast from the RoverCam 17MT. If you do this, and are not aware that you are removing the section, you can damage the RoverCam 17MT, by accidentally dropping parts of the RoverCam 17MT. **Do not extend the RoverCam 17MT sections past the RED marks on the sections in operating and extending the RoverCam 17MT. If you extend the mast section past the red mark, you may accidentally remove the section from the RoverCam 17MT mast.**

This may damage the unit. The only reason to remove the sections is when disassembling the RoverCam 17MT.

1.2.2 Sunspots on the monitor

Long, daily exposure to direct sunlight will damage an LCD screen. Ultraviolet radiation is the killer. Make sure that you avoid direct sunlight shining on LCD, as it can affect the quality of the picture and can burn in spots on the LCD surface.

1.2.3 Battery Charging and Overcharging

Do not overcharge the Rover17 Battery. You should charge the RoverCam 17MT battery for no more than 16 hours per charge. Overcharging the RoverCam 17MT battery will reduce the life of the battery. You should charge the RoverCam 17MT battery at least once a month, when in storage, to keep the battery in good shape. It is a good practice with the RoverCam 17MT battery to discharge the battery completely before recharging it. (This will keep the battery in tip top shape!). Charge the battery before and after use.

1.3 Description of the RoverCam 17MT and Diagram of components

The RoverCam 17MT is a camera on a mast designed to be operated between 7 and 17 ft tall.
Your monitor, zoom, and record controls are adjustable.

Rover Cam 17MT is 7 ft. to 17 ft. long with a ¼ 20 camera mount quick release plate. The mast is grey in color and made out of fiberglass.

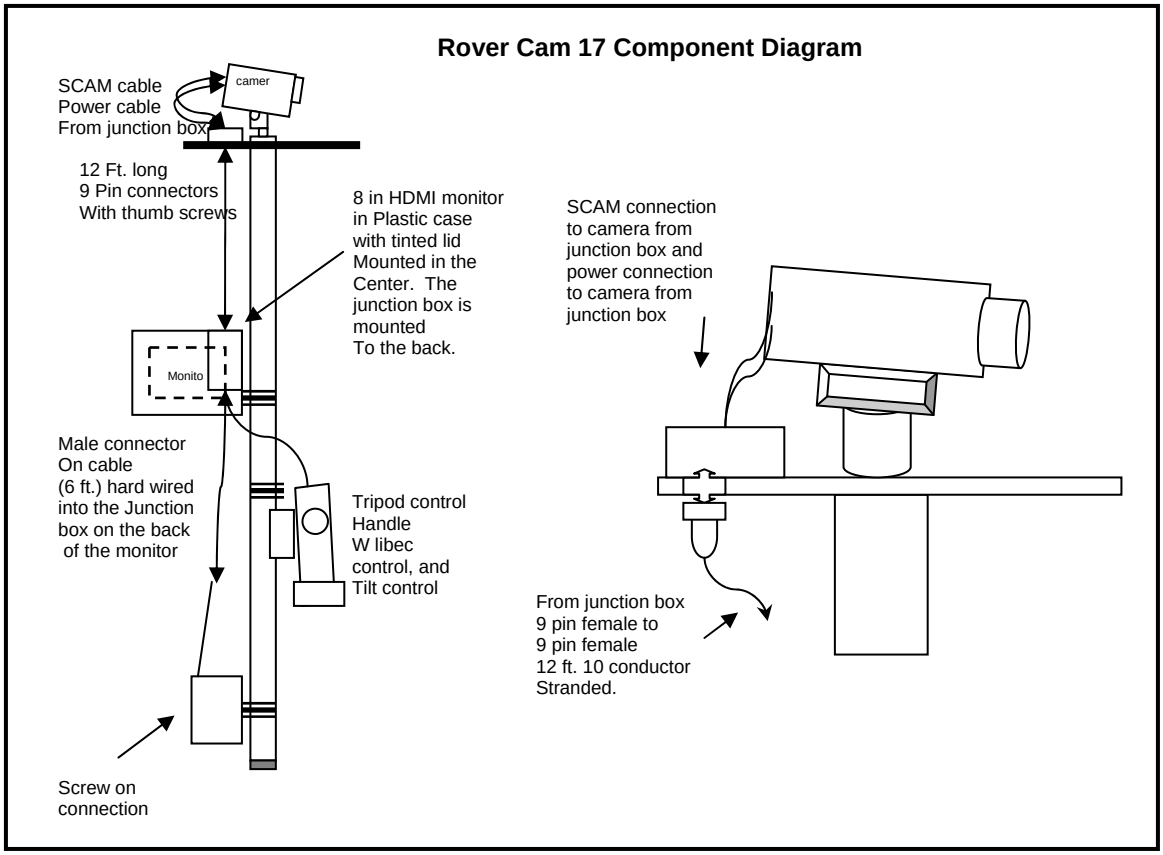
It is designed for walking around recording events from an elevated view point while controlling the camera from the ground.

The RoverCam17MT also has a tripod where you can slide the Mast section into the tripod, once fully extended to use as a traditional EZ system.

The RoverCam17MT comes with an accessory Case

This picture shows you the contents of the case and the placement of the items when the case is open.

1.3.1 Diagram of RoverCam 17MT with Component Description



1.4 First Time Assembly

When you receive your RoverCam 17MT you will need to assemble the following for the first time only. We ship the RoverCam 17MT in several sections to keep the components protected.

Steps to Assembling the RoverCam 17MT for the 1st time:

1. Unbox everything, and set the components on the side. Inspect the box to make sure you have left nothing in the packing materials.
2. Remove quick release clamp from top of the mast on the RoverCam 17MT top section.

This picture shows you the quick release clamp for securing the Head assembly to the top mast.

3. Put the Head Assembly in the Top mast, align the holes together and put quick release clamp back in place. This will secure the RoverCam 17MT Head Assembly in Place.

These pictures show the Head assembly for the RoverCam 17MT, and the assembly clamped on the top mast.

4. Put bottom mast over the monitor assembly clamp hole. Then slide the monitor assembly up to the desired height for shooting. Twist the Clamp to tighten the Monitor assembly to the bottom mast of the RoverCam 17MT until tight.

The pictures show the Monitor Assembly, and the monitor assembly clamped in place.

5. Put bottom mast over the Control arm assembly clamp hole. Then slide the control arm assembly up to the desired height for shooting. Twist the Clamp to tighten the control arm assembly to the bottom mast of the RoverCam 17MT until tight.

These Pictures show the control arm assembly and the control arm assembly clamped in place.

6. Put bottom mast over the Battery Assembly clamp hole. Then slide the Battery assembly up so the battery bag is about 12 inches from the bottom of the

RoverCam 17MT. ***It is important to do this, as this provides a counter weight at the bottom of the RoverCam 17MT*** **if used as a monopod.** Twist the Clamp to tighten the Battery assembly to the bottom mast of the RoverCam 17MT until tight. Make sure that the Battery is facing opposite of the control arm and the monitor. This provides balance when leaning the RoverCam 17MT on a wall.

The pictures show the Battery assembly and the Battery assembly clamped to the bottom of the RoverCam 17MT.

1.5 Connecting The RoverCam 17MT for use

1. Connect the Sony LANC compatible camera on the Unit. Use the tripod plate provided to the tripod on the RoverCam 17MT to connect the camera to the tripod. Mount the Camera on to the tripod head and lock it securely in place. Connect the power and video LANC cables to their respective ports on the camera.

Picture of camera mounted on the head assembly with connections made on camera.

2. Connect the cable from the Head Assembly junction box to the top of the box on the back of the monitor assembly. Screw the thumb screws in on each side of the

connector to keep the connection tight. You can adjust the monitor assembly up or down to fit your needs later.

Pictures of 12 foot cable, connecting one end to head assembly, the other to the monitor junction box.

3. Connect the control arm to the bottom of the Monitor junction box on the monitor assembly. Screw the thumb screws in on each side of the connector to keep the connection tight. You can adjust the control arm assembly up or down to fit your needs later.

The Picture of cable from control arm connecting to the bottom of the junction box on the monitor assembly.

4. Connect the Battery cable on the Monitor assembly to the battery. This cable has a screw on connection

This picture shows the Battery cable from the Monitor assembly connected to the RoverCam 17MT battery

1.6 Operation of the RoverCam 17MT

1. With the RoverCam 17MT fully assembled, open the LCD door to the camcorder connected to the RoverCam 17MT. This should power on the camera.
2. Turn the Monitor on, by pressing the power button on the lower right hand corner of the Monitor. Press the AV button until the input is set to AV1. This is important, since if the monitor is not set to the correct input, you will not see the video coming from the camera.

The picture shows the Monitor when powered on. You should see the current input shown in the upper left corner of the screen for the first few seconds.

3. Extend the masts to the desired height. Each section has a clamp to tighten down the sections once it reaches the desired height. Flip the clamp up to completely loosen the RoverCam 17MT section so you can lower or raise it. Flip the clamp down to lock the section in place.


The pictures show the RoverCam mast on the left unclamped so you can raise or lower the section, and on the right, locked and secured in place.

4. Press record on the control arm to put the camera into record. You can use the Zoom control to zoom in and out on the video. Use the attached tilt mechanism to tilt the camera up and down from the control arm, or you can simply lean it forward and back if the unit is not inserted into the tripod.

This picture shows the Control arm. The record button is pressed to put the unit into record. The W and T controls are used for Zooming in and out of the unit.

Functions of the control arm

- Zoom in multiple speeds
- Zoom out multiple speeds
- Record
- Record Pause
- Power on camera (Most models)
- Power off camera (Most Models)
- Tilt Up
- Tilt Down

1.7 Operation of the RoverCam 17MT with the Tripod

1. To insert the RoverCam 17MT into the tripod, loosen the clamp holding the battery at the bottom, and slide the battery up to just below the monitor.
2. Once you have a clear mast section, fully extend the tripod on the ground so all points are securely on the ground, then slide the mast section from the top of the tripod and ease it gently into place.

This picture shows the RoverCam 17MT mast once it is slid down into the tripod, once the tripod is extended and securely on the ground.

3. Now use the unit like a traditional EZ system, Panning left and right and using the tilt up and down controls to move the camera.

This Picture shows the RoverCam 17MT in the tripod.

1.8 Things to Consider when using the RoverCam 17MT

Please make sure of the following when using the RoverCam 17MT:

- Make sure the **battery is charged**. (Do ***NOT*** charge the battery for more than 16 hrs. at 1 time)
- Make sure all of **your connections are connected** securely.
- Make sure you have **media to record on**. (HDD, Internal Memory, SD, or Tape)
- Make sure the **lens cap is open**.
- Make sure **the monitor is powered on**.
- Make sure the input to the **monitor is set to AV1.**
- Make sure **the camera is turned on or the LCD door is open**.
- Before you start recording set the mast to the desired height between 17 and 7 feet.
- Never extend each section more than RED marks painted on each section.

- Lock each section securely with the black mast clamps. If you need to adjust the clamp for a more snug fit.
- Flip the lever up and use a Philips screwdriver to adjust the grip on the mast.
- Battery must be charged at least once a month or the battery can be damaged in storage.
- Close and secure the box lid on the monitor so the monitor will be more difficult to damage.
- Do not leave the camera attached to the head assembly.
- Do not leave the quick release plate on the bottom of the camera. Store it in the head assembly.
- Store the accessory case with the mast.

1.9 Additional Add-ons for the RoverCam 17MT

There are multiple different add-ons for Rover Cam 17.

- Wireless remote control
- Air potato
- Hand-held Potato
- Battery charger
- Batteries
- Tripod stand

1.10 Contact Us

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