

## D42 Camera



AC power/charging kit

Monitor patch  
cord



Filter kit



Remote

1 hour battery

2 hour battery

Camera

Extra digital tape



## D42 Camera

Recording: After initial setup and between races turn off the camera to preserve battery life. If left in pause more than 5 minutes the camera will auto power off.. Turn the Camera/VCR switch to *Camera* 1 to 2 minutes before the race finish and verify the view and set the exposure in the LCD screen. When ready press the silver button in the center of the Camera/VCR switch and verify that *pause* has switched to *record* and the tape counter is running in the LCD screen. When ready to cease recording place your clipboard in front of the camera for a few seconds to create a separation between races before pressing the silver button again to pause the recording. When ready switch the camera off.

With the Camera/VCR switch in the *Camera* position these operations can be done with the remote, but be sure to verify recording with LCD screen or the monitor if you have sufficient power available to use the monitor during recording. When using the monitor close the LCD screen to reduce battery drain.

# D42 Camera



RECORD//PAUSE



## D42 Camera



Playback: For playback turn the Camera/VCR switch to **VCR** and connect the camera to the monitor with the patch cord. The VCR line out jack is on the side of the camera opposite the LCD screen under the pull out cover. Power the monitor from a portable power pack, the DC/AC inverter or any 120VAC source.

Remote: Storing the remote with the batteries reversed will prevent the remote batteries from discharging due to compression of the buttons by the tight slot in the foam case.

Two options are available for slow playback. With the tape playing at normal speed press the **pause** button once. With the image paused the **pause/forward** or **pause/reverse** button will move the image approx. 2 frames/sec. when held down continuously OR with the image paused, press and release the **pause/forward** or **pause/reverse** to move one frame at a time. Also, the image may be enlarged during playback using the **zoom**.

# D42 Camera



Playback position



Monitor connection  
(Video Out)



Remote sensor (aim here)

Charge port or run off  
External power



## D42 Camera

**Lens Filters:** The camera is mounted with a UV filter. This should remain at all times and serves to protect the lens during use and storage. The kit contains a polarizing filter. This may be exchanged for the UV filter on bright days with glare issues. If you've never used the polarizing filter use some test images of riders warming up to see how it affects the image and rotate the orientation of the filter to modify the effect.

**Glare Reduction:.** Numbers placed too high on the riders back glare more and may be unreadable even on overcast days. If you have a choice of sides for camera placement avoid having the riders silhouetted by the sun.

**Longevity:** Frame by frame review and prolonged still frame playback are especially taxing on the camera tape heads. When reviewing a finish use the camera to call close placings, place field finishers and verify top placings. It is good practice to go old school and have the various officials at the finish judge staggered portions of the field ( first and back, fifth and back, tenth and back, etc.) and voice record and/or note each finisher. The official often sees the rider number obscured in the camera. With each official's transcription in hand the camera official can stop reviewing the tape somewhere after the transcriptions are in good agreement. Results can be generated faster this way and the redundancy of the entire process is improved; thereby, reducing the consequences of failure, either mechanical or human. By preserving the tape heads we can prolong the life of the Association's investment.