

## Racebox Camera Guide for OODs

The racebox camera is a continuously operating CCTV camera aligned with the club start/finish line. Its primary use is to check results issues raised by competitors after the race, though it can also be useful for OODs to review OCS decisions and finish times.

**As OOD you do not need to do anything to get the camera to record the race - it is entirely automatic.**

The camera recording system - located under the desk - is linked to the lights system. When you use the green button on the lights box to begin the start sequence, a timestamp is inserted in the video record (see below).

The following provides a quick overview on how to use the camera replay system

<p><b>Login using the mouse</b></p> <ul style="list-style-type: none"> <li>Find the mouse connected to the CCTV system (should be plugged into a USB port near the radio).</li> <li>Right click to get a pop up menu.</li> <li>Click the search option on the menu.</li> <li>You may then be asked to login - it should default to the "guest" user account. If not, pick the switch user option and then select the guest account. Add the account password "guest123" - click ENTER on the screen keyboard - then OK..</li> </ul>	
<p><b>Select the video time period you want to replay.</b></p> <ul style="list-style-type: none"> <li>In the calendar box on the search screen - click today's date</li> <li>The video replay will show today's video (it may take a few seconds to appear)</li> <li>Double click the video display area to get the replay full screen</li> <li>Use the mouse to scroll the green timeline below the image to scroll to a time just before the race</li> <li>On the bottom right of the screen click the "two hour" view</li> <li>The display window should now be showing the time period covering the race (see next page)</li> </ul>	
<p><b>Find the start timestamp</b></p> <p>Look along the timeline at about the time the lights box was started - you should see a red vertical line - this is the time that the start sequence began. Point the mouse at this line to get the time and write it down (e.g.15:05:30) for reference.  <i>[Note the time won't be identical to the wall clock time the lights box was started as the camera system has its own internal clock - which should be close but won't be identical to the wall clock time]</i></p>	
<p><b>Using the mouse to navigate the video</b></p> <p>This is a standard online video player. If you know approximately what part of the race you want to look at - estimate the time and simply click on the bottom video timeline at the appropriate time. The video should continue playing from that point.</p> <p>You should also see a number of blue vertical lines on the timeline. These show the times where the camera detected a boat crossing the line and can be useful for navigating the race video.</p>	
<p><b>Checking an OCS decision</b></p> <ul style="list-style-type: none"> <li>Navigate to the start of the video where you expect to find the start in question (use the start timestamp + the time interval to that start e.g 15:05:30 + 9 minutes = 15:14:30).</li> <li>The start line will be between the top of the transit pole and buoy 29.</li> <li>Play the video up to the start time you calculated - then pause the playback and use the "frame-by-frame" or "slow" button to get to the start time.</li> <li>Check which boat(s) if any are on the course side of the start line at this time</li> </ul>	
<p><b>Checking a finish time</b></p> <ul style="list-style-type: none"> <li>Navigate to the part of the video approximately where you expect to find the finish of the boat in question.</li> <li>Once you have found the boat - stop the video at the point the boat finishes and write the time down (e.g 16:11:36)</li> <li>Calculate the elapsed time for the boat as follows.</li> </ul> <p>Elapsed time = time of finish on video - start timestamp (red mark) - interval from start timestamp to the boat start            For example for a boat in fleet 2: ET = 16:11:36 - 15:05:30 - 00:09:00 = 00:57:06</p>	
<p><b>Exit the replay</b></p> <p>Right-click on the mouse to switch from the video replay mode to the live video mode.</p>	

Main Stream(3030.84 kb/s, 2560\*1440)

Double click on video to get full screen

PTZ 14-11-2021 15:01:24

From R/W Disk

Record

Nov 2021

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

search: pick day here

click or scroll timeline to start video replay

pick period for timeline here

16:20

1 hour

2 hours

30 mins

boats crossing

video time

start timestamp

Pause/Play

Stop

Play

Slow

Fast

Frame-by-Frame