The Scotia Medical Observation and Training System offers live audio-visual recording and display from a patient’s bedside. This system is widely used in medical training centres across the UK and is now available within the College of Medical and Dental Sciences for recording student involvement in clinical scenarios.

1. Click Live Video
2. Click and drag camera(s) across to viewing pane (or house symbol for whole set)
3. Select viewing layout
4. Click on camera of interest, it will be surrounded by yellow border “focus” and cross-hairs appear in middle of screen.
5. Click on image to move camera in direction desired. Close to crosshairs moves slowly, further away moves quickly. Clicking on left central box zooms in (+) and right central box zooms out (-)
6. Presets may be set by administrators and can allow you to quickly go to a camera position. To select a preset click the number or select from the drop down names menu.
7. Click on speaker or “A” on your keyboard to listen or click on mic or “S” to speak. Use your headset or dedicated PC microphone. Click again to stop.
8. Video and 2 way audio is permanently recording and confirmed by red dot icon on all cameras.
9. CPU indicator shows how well your pc is coping with the multiple video streams. If it goes to red, you should reduce number of open streams.
10. Live BOOKMARKING! You can now right click the pane and add a comment which will then be available to you in the playback window.
11. You can select “lecture theatre” view (no menus) by clicking here (or F11).
12. You can make a camera of interest full screen by clicking here (or F6 on keyboard).
13. Stop all video by clicking here.
Preparing to Record

The video cameras in the clinical simulation rooms are programmed to record continuously between 0800 and 1800 each weekday. In order to prepare to record your session, you simply need to ensure that each camera is pointing at the scene you wish to record.

If others are simultaneously viewing the simulation from another room you can reorganise the layout of the camera views to ensure all aspects of the scenario are visible. A full screen option is also available to remove menu items when watching a live recording.

1. Choose ‘Live Video’ to view all the available cameras
2. Select the cameras you wish to view from the ‘Cameras’ panel
3. Click on each camera window and choose a preset position if already programmed
4. If you wish to reposition a camera, click on image to move camera in direction desired. Close to crosshairs moves slowly, further away moves quickly. Clicking on left central box zooms in (+) and right central box zooms out (-)
5. Select your layout for the screen – these can be updated during the recording for the benefit of other viewers
6. Ensure all cameras are recording by hovering the cursor over each camera window and checking that the red circle record symbol is visible in the lower right of the pane. Click on the record button if not.
7. To provide remote instructions to those involved with a scenario, click the microphone button, and speak into the headset microphone.
8. Right-click on a camera view and choose ‘Add Bookmark’ to annotate an incident or interesting event.

Using the mobile SMOTS unit

There are two mobile camera units available within the simulation rooms. Once plugged in to power and network points they will be identifiable by the ‘Camera’ panel and can be dragged into the main viewing panel. Remote adjustment of the camera and instructions from the microphone are also available for these units.
All camera recordings can be simultaneously viewed on the same screen used to set up the recordings. This same screen may also be linked through to a TV or plasma screen in a ‘feedback’ room. This provides the facility for real-time monitoring and discussion by peers or facilitators.

During live reviewing, it is possible to modify camera positions to capture unforeseen events. Similarly, the microphone may be used to provide remote instruction to those engaged in the simulation.

Real-time annotation of recorded events may be captured using the bookmarking function. This is available by right-clicking on a camera screen and completing your comments in the text box.
Once all events have been recorded, you may wish to review the recorded footage individually or as a group. The SMOTs system includes a simple set of controls for reviewing all captured material using a similar set of controls for selecting your cameras and arranging them on the screen. It also includes a calendar control for rapid access of earlier recordings, and also a timeline for fine-tuning playback.

Note: Saving selected clips to a network drive or DVD is not possible from this screen. Click on the ‘Export…’ icon to perform this action.

Limited retention of unpublished recordings

SMOTs cameras are set to automatically record from 0800 to 1800 on every weekday. All recordings are saved to a hard drive on a continuous loop. Therefore recordings made approximately 1 month ago will be overwritten and lost if they are not manually saved. This means that only these time-limited ‘unpublished’ recordings can be reviewed in the manner above.
All recordings in SMOTs can be exported to a network drive or DVD for playback. A recording is saved by clicking on the ‘Export...’ icon available in the ‘Recorded Video’ window. Please note, this is not linked to the timeline search and playback facility in this window.

As SMOTs records all cameras continuously onto a hard-drive, it will begin to over-write original footage after a period of approximately 1 month. It is therefore important, that any footage to be retained must be exported by following the instructions below.

Video material is exported in .mp4 format. A separate video file is created for each camera.

If you wish, an ‘incident player’ can be included. This packages the video clips within a simplified, but highly functional, SMOTs interface, giving full control for the user in defining playback of the scene.

1. Select the cameras you wish to include.
2. Select the date, time and duration of the recording.
3. Give your recording a name.
4. Select a location to save your videos.
5. Select whether you wish to include the incident player.