1   Result

Classification of three different activities was attempted with almost 90% accuracy on Amcrest camera.

- Camera is idle (after reboot)

- Camera is recording data when instructed by mobile app

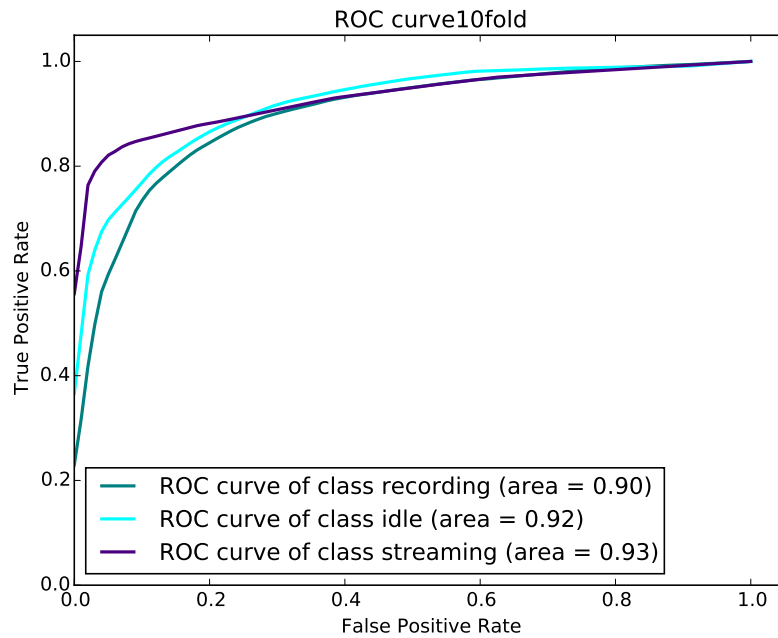- Camera is streaming data when instructed by mobile app and moving the camera directions

Figure 1: ROC curve for classification between activities using Random Forest classifier

2 Spectrograms of EMI activity of Amcrest View Camera
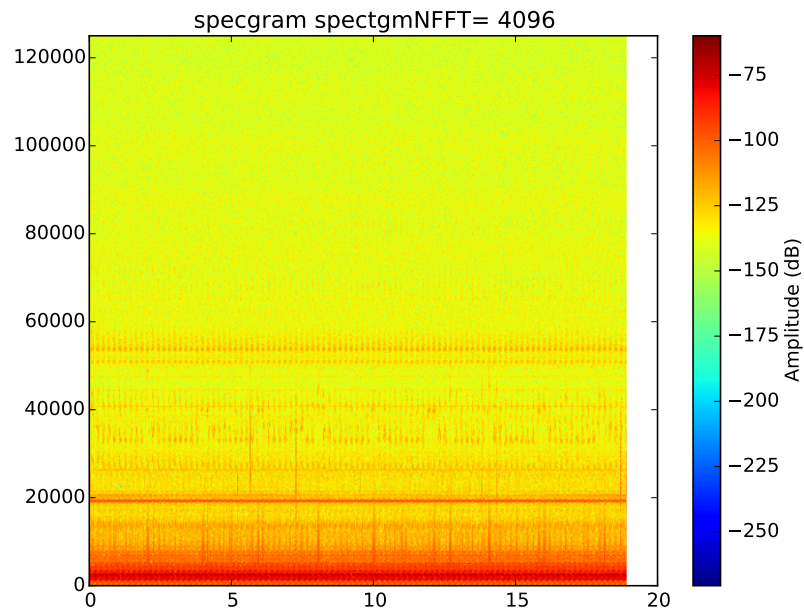

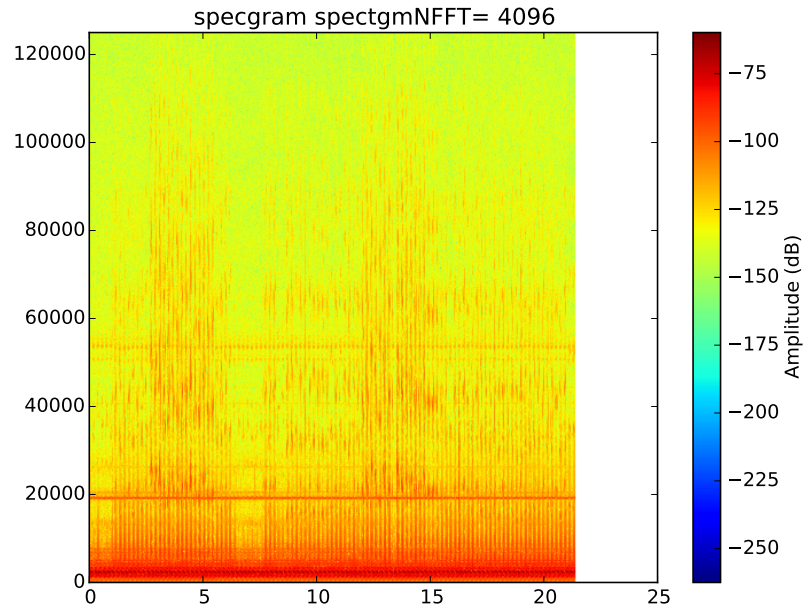Figure 2: The device is not instructed to do any function and is idle after boot

Figure 3: The devices is streaming a video while one moves around the camera directions
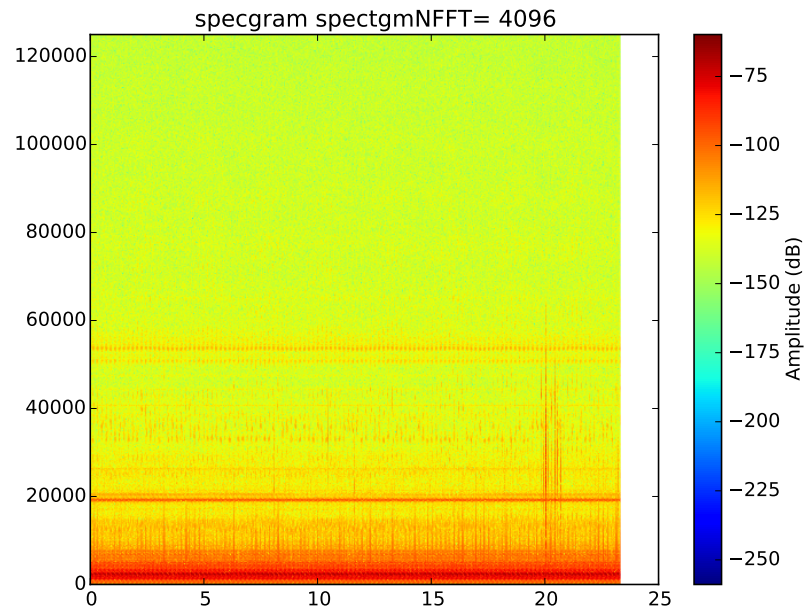
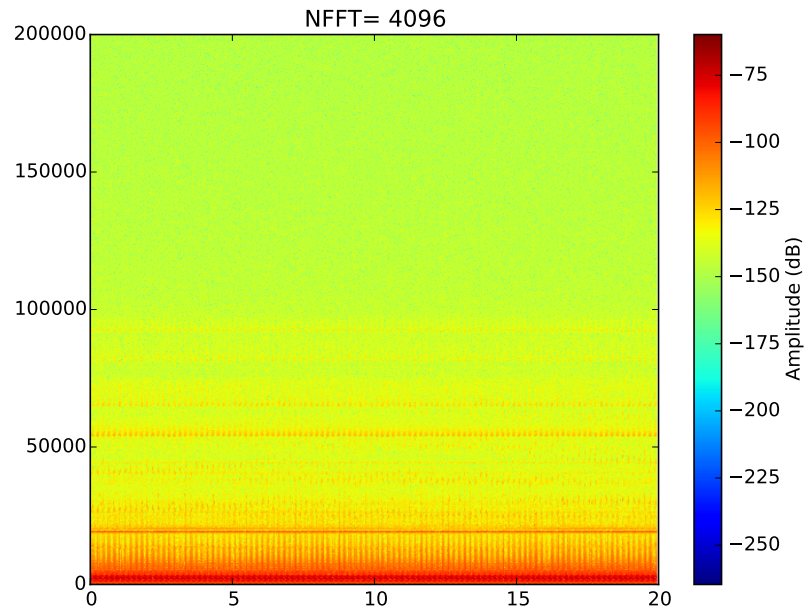Figure 4: The device is recording a video, instructed using a mobile app

Figure 5: The device captured photographs at random times. No spikes were registered in spectrogram