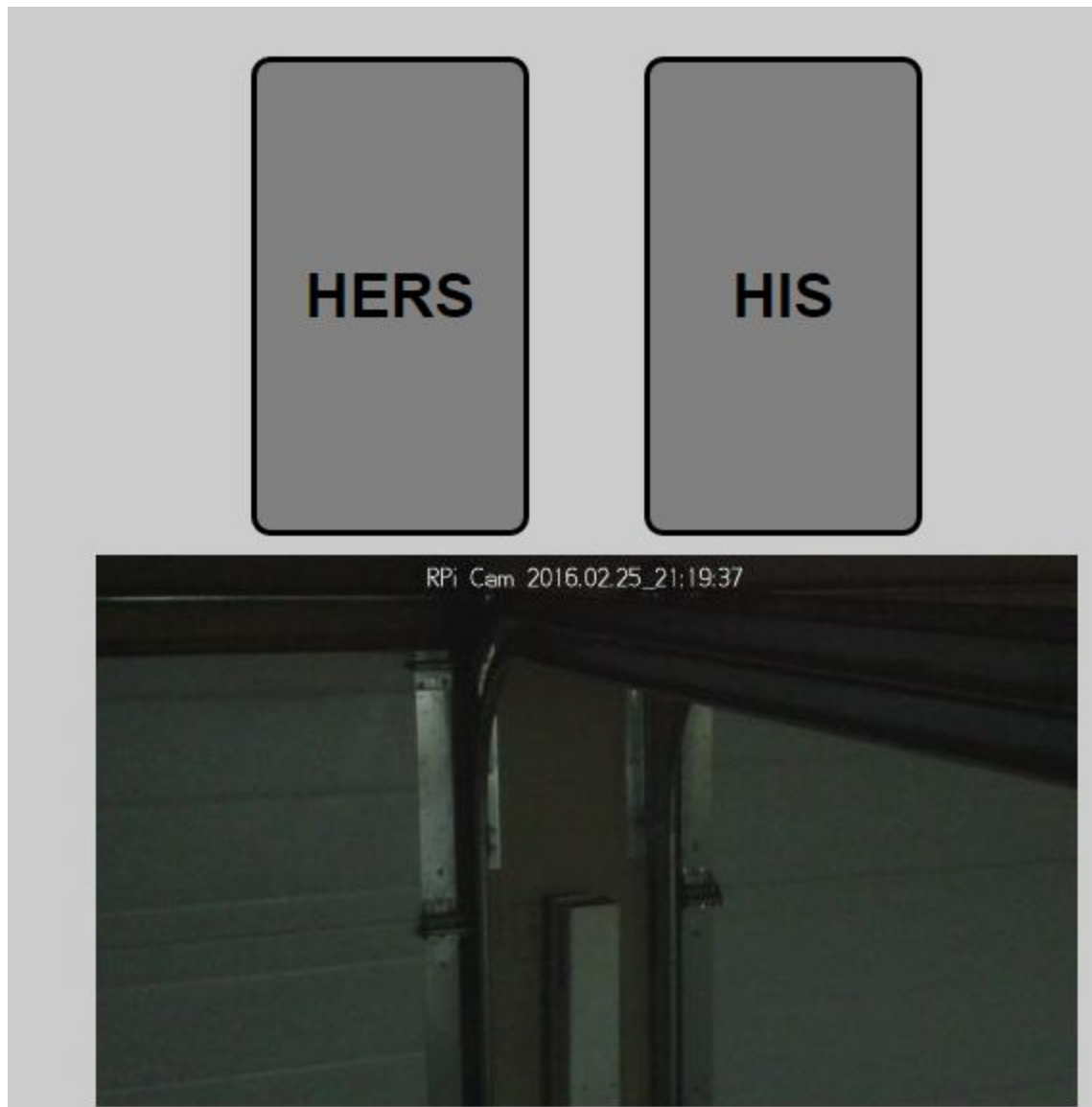This is my HTML for controlling two doors with webcam streaming on a raspiberry pi 1 (B+) with hardwired networking, and a RPI CAM- don't even bother with a USB cam on this old boy.

ALL credit goes to Chris Driscoll for the original instructions (http://www.driscocity.com/idiots-guide-to-a-raspberry-pi-garage-door-opener). These are just my tweaks.

Other notes: I changed my RPI CAM CONTROL port to 8002 due to network conflicts.
Time involved: A week.
Skill level: Beginner.

Garage.html CODE (Courtesy Chris Driscoll):

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta name="viewport" content = "height = device-height, width = device-width,
user-scalable = no" />
    <title>Garage Door Opener</title>
    <script type="text/javascript" src="/webiopi.js"></script>
  <script src="script_min.js"></script>
    <script type="text/javascript">
    webiopi().ready(function() {
        var content, content2, buttonLeft, buttonRight;
        content = $("#content");
                            content2 = $("#openCloseButton");
            webiopi().setFunction(7,"in");
            webiopi().setFunction(8,"in");
            webiopi().setFunction(18,"in");
            webiopi().setFunction(17,"in");

        // create an "OPEN" labeled button for GPIO 18
        // button = webiopi().createGPIOButton(18, "");
        // content2.append(button); // append button to content div

         // create an "OPEN" labeled button for GPIO 17
        // button = webiopi().createGPIOButton(17, "");
        // content2.append(button); // append button to content div

        // create button that calls the mousedown function below
        buttonLeft = webiopi().createButton("buttonLeft", "HERS", showConfirmLeft );
        content.append(buttonLeft); // append button to content div

                        // create button that calls the mousedown function below
        buttonRight = webiopi().createButton("buttonRight", "HIS", showConfirmRight );
        content.append(buttonRight); // append button to content div

                        // this function gets called by the mousedown function below - it
sets gpio7 back to 'IN'
                        function mouseupLeft() {
                            webiopi().setFunction(7,"in");
                        }
                        function mouseupRight() {
                            webiopi().setFunction(8,"in");
```

```
                                                }
                                                // this function sets gpio7 to 'OUT' which will trip the relay.  After .5
second it calls mouseup above.
                                                // hides the confirmation div and makes doge face change
                                                function mousedownLeft() {
                                                        webiopi().setFunction(7,"out");
                                                        document.getElementById('confirmBoxLeft').style.display =
"none";
                                                        document.getElementById('confirmTextLeft').style.display
= "none";
                                                        setTimeout(mouseupLeft, 250);
                                                }
                                                function mousedownRight() {
                                                        webiopi().setFunction(8,"out");
                                                        document.getElementById('confirmBoxRight').style.display
= "none";
                                                        document.getElementById('confirmTextRight').style.display
= "none";
                                                        setTimeout(mouseupRight, 250);
                                                }

                                                // after pressing no hide the confirmation div
                                                function hideConfirmLeft() {
                                                        document.getElementById('confirmBoxLeft').style.display =
"none";
                                                        document.getElementById('confirmTextLeft').style.display
= "none";
                                                }
                                                function hideConfirmRight() {
                                                        document.getElementById('confirmBoxRight').style.display
= "none";
                                                        document.getElementById('confirmTextRight').style.display
= "none";
                                                }

                                                // show confirmation div after pressing garage door button
                                                function showConfirmLeft() {
                                                        document.getElementById('yesLeft').onclick =
mousedownLeft;
                                                        document.getElementById('noLeft').onclick =
hideConfirmLeft;
                                                        document.getElementById('confirmBoxLeft').style.display =
"block";
```

```
                                        document.getElementById('confirmTextLeft').style.display
= "block";

                                        document.getElementById('confirmBoxRight').style.display
= "none";

                                        document.getElementById('confirmTextRight').style.display
= "none";
                                }
                                function showConfirmRight() {
                                        document.getElementById('yesRight').onclick =
mousedownRight;

                                        document.getElementById('noRight').onclick =
hideConfirmRight;

                                        document.getElementById('confirmBoxRight').style.display
= "block";

                                        document.getElementById('confirmTextRight').style.display
= "block";

                                        document.getElementById('confirmBoxLeft').style.display =
"none";

                                        document.getElementById('confirmTextLeft').style.display
= "none";
                                }
        // constantly refresh status to see if door is open or closed
                                webiopi().refreshGPIO(true)
                                });

    </script>

    <style type="text/css">
                body {
                        font-family: Arial, Helvetica, Sans-Serif;
                        padding: 0px;
                        margin: 0px;
                        background-color: #cccccc;
                }
        button {
                        display: block;
                        margin: 10px 10px;
                        margin-left: auto;
                        margin-right: auto;
                        padding: 0px;
                        width: 300px;
                        height: 50px;
                        font-size: 24pt;
```

```css
                font-weight: bold;
                color: black;
                border-radius: 10px !important;
}
        button#button {
                height: 250px !important;
                border-radius: 10px !important;
                cursor: pointer !important;
        }

        input[type="range"] {
                display: block;
                width: 160px;
                height: 45px;
        }
        #gpio17.LOW {
                background: red url('closed.png') no-repeat center !important;
                float: left;
                width: 145px;
        }

        #gpio17.HIGH {
                background: black  url('open.png') no-repeat center !important;
                float: left;
                width: 145px;
        }
        #gpio18.LOW{
                background: red url('closed.png') no-repeat center !important;
                float: right;
                width: 145px;
        }
        #gpio18.HIGH{
                background: black  url('open.png') no-repeat center !important;
                float: right;
                width: 145px;
        }
        #header {
                margin-left: auto;
                margin-right: auto;
                margin-top: 0px !important;
                padding-top: 0px !important;
        }
        #confirmTextLeft {
```

```css
        margin-left: auto;
        margin-right: auto;
        padding: 0px;
        margin-top: 0px;
        display: none;
}
#confirmTextRight {
        margin-left: auto;
        margin-right: auto;
        padding: 0px;
        margin-top: 0px;
        display: none;
}
h2 {
        text-align: center;
        margin-top: 0px !important;
        margin-bottom: 10px !important;
}
#confirmBoxLeft {
        height: 60px;
        width: 300px;
        margin-left: auto;
        margin-right: auto;
        position:relative;
        display: none;
}
#confirmBoxRight {
        height: 60px;
        width: 300px;
        margin-left: auto;
        margin-right: auto;
        position:relative;
        display: none;
}
#yesLeft {
        background-color: green;
        float: left;
}
#noLeft {
        background-color: red;
        float: right;
}
#yesRight {
```

```css
                background-color: green;
                float: left;
        }
        #noRight {
                background-color: red;
                float: right;
        }
        .confirmButton {
                border: 3px solid #000000;
                border-radius: 10px;
                cursor: pointer;
                height: 50px;
                width: 125px;
                font-size: 24pt;
        font-weight: bold;
                text-align: center;
                line-height: 50px;
        }
        #openCloseButton {
                width: 300px !important;
                height: 60px;
                position: relative;
                margin-left: auto;
                margin-right: auto;
        }
        #buttonLeft {
                float: left !important;
                width: 145px !important;
                height: 250px !important;
        }
        #buttonRight {
                float: right !important;
                width: 145px !important;
                height: 250px !important;
        }
                </style>
</head>
<<body onload="setTimeout('init();', 100);">
                <div id="openCloseButton" style="margin-left: auto; margin-right: auto;
position:relative top: 80px;"></div>
      <div id="content" style="margin-left: auto; margin-right: auto; position:relative; width: 350px;
height: 250px;"></div>
                <div id="confirmTextLeft"><h2>Toggle Door?</h2></div>
```

```html
<div id="confirmTextRight"><h2>Toggle Door?</h2></div>
<div id="confirmBoxLeft"><div id="yesLeft"
class="confirmButton">YES</div><div id="noLeft" class="confirmButton">NO</div></div>
<div id="confirmBoxRight"><div id="yesRight"
class="confirmButton">YES</div><div id="noRight" class="confirmButton">NO</div></div>
<center> <div><img {
   position: absolute;
   left: 0px;
   top: 0px;
   z-index: -1;
}img id="mjpeg_dest" /></div></center>

</body>
</html>
```

Then, the called javascript:
script_min.js:

```javascript
var mjpeg_img;

function reload_img () {
  mjpeg_img.src = "http://YOURIP:YOURCONTROLPORT/cam_pic.php?time=" + new
Date().getTime();
}
function error_img () {
  setTimeout("mjpeg_img.src = 'cam_pic.php?time=' + new Date().getTime();", 100);
}
function init() {
  mjpeg_img = document.getElementById("mjpeg_dest");
  mjpeg_img.onload = reload_img;
  mjpeg_img.onerror = error_img;
  reload_img();
}
```

That's it.
To be fair, I installed WEBIOPI and PIWIRING. Make sure you install webiopi
(http://webiopi.trouch.com/)at least.