# Creating a broadcast/livestream system

## Guides

* Full guide – <https://www.dacast.com/blog/how-to-setup-live-streaming-video-on-website/>
* Encoder focused + other option – <https://colorwhistle.com/live-stream-video-on-website/>
* Best (private) streaming platforms – <https://www.dacast.com/blog/7-live-streaming-solutions-for-private-events/>

## Notes

Use an encoder, probably VLC media player. Might have to change it to work with HTML.

A Plymouth Uni cyber security student made something with livestreaming (<https://www.youtube.com/watch?v=jb9X9y2OdOc>). He uses “Web RTC” (Web real time communication).

Using RTC for webpage streaming – <https://flashphoner.com/7-ways-to-stream-rtsp-on-the-page/>

VLC action camera – <https://www.youtube.com/watch?v=0vdFJbi3eEI&t=1s>

<https://www.wowza.com/community/t/how-to-re-stream-video-from-an-ip-camera-to-html-5-video-tag/36868>

rtsp://192.168.1.1/MJPG

1234567890

<https://stackoverflow.com/questions/5858936/html5-live-streaming>

RTSP streaming to HTML5 – <https://stackoverflow.com/questions/1735933/streaming-via-rtsp-or-rtp-in-html5>

## WebRTC

Link – <https://webrtc.org/>

<https://codelabs.developers.google.com/codelabs/webrtc-web#3>

Open source framework for real time communication for web apps.

RTSP to WebRTC – <https://flashphoner.com/browser-based-webrtc-stream-from-rtsp-ip-camera-with-low-latency/>

<https://flashphoner.com/ip-camera-streaming-via-rtsp-for-webrtc-and-websocket-browsers/>

## After further research (from difficulties from WebRTC)

Guide for using webcam to html – <https://dev.to/dalalrohit/live-stream-your-webcam-to-html-page-3ehf>

A potential guide – <https://videos.cctvcamerapros.com/i/ip-camera-streaming-website.html>

Research into streaming camera IP (RTSP) to html – <https://www.google.com/search?sxsrf=ALeKk01nc5KAYOyZy6SfOANcBFnxbqIZkQ%3A1609512466204&ei=EjbvX5CPDJLE8gLfhYfIBQ&q=livestream+camera+ip+to+html+page&oq=livestream+camera+ip+to+html+page&gs_lcp=CgZwc3ktYWIQAzoECAAQR1CtIlj0JGCwLGgAcAJ4AIABoAGIAcECkgEDMi4xmAEAoAEBqgEHZ3dzLXdpesgBCMABAQ&sclient=psy-ab&ved=0ahUKEwiQ4LyW_frtAhUSolwKHd_CAVkQ4dUDCA0&uact=5>

## Approach

Following this guide (<https://stackoverflow.com/questions/2245040/how-can-i-display-an-rtsp-video-stream-in-a-web-page>), the embed code does not work so I think it is best to use FlashPhoner suggested in the discussion forum (<https://flashphoner.com/>).

Another forum page: <https://stackoverflow.com/questions/2245040/how-can-i-display-an-rtsp-video-stream-in-a-web-page>

Another forum page: <https://stackoverflow.com/questions/9866508/how-to-get-stream-from-camera-to-web-page>

A guide: <https://bensoftware.com/blog/adding-live-video-to-any-web-page/>

Possibly this one: <https://videos.cctvcamerapros.com/i/ip-camera-streaming-website.html>

IPCamLive details

cameratest(@test.com)

CameraT3st!

Or this (youtube livestream): <https://webcam.io/support/howto-embed-youtube-live/>