Presentation API for non-screen Devices

Demo

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NTT Communications
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Communicate with non-screen devices

Web Application

Presentation API

Non-screen Devices
Communicate with Sony Action Cam

```javascript
navigator.presentation
  .startSession('urn:schemas-sony-com:service:ScalarWebAPI:1')
  .then(function(session) {
    ...
  });

session.onmessage = function(mesg) {
  showLiveView(mesg);
}
session.postMessage("getLiveView");
```

SSDP, Camera Remote API

device-specific method
Demo Architecture

Browser

Presentation API shim

Device Driver module

JS Library

WebSocket

Device-specific communication

XHR (SONY Camera Remote API)

Node

Camera (SONY HDR-AS100v)
Requirements

- Indicates the filtering rule for which UA discover
  - By web app with dedicated API (JS or internal).
  - Browser discover all kinds of devices and notify web app.

- Communicate with various devices
  - With the modules provided by the 3rd vendor (i.e. device manufacturer)
  - With the modules provided by browser vendor