In the past, media capture and access suffered primarily from a lack of storage and bandwidth. Today networked, multimedia devices are ubiquitous, and the core challenge has less to do with how to transmit more information than with how to **capture and communicate the right information**.

### 1. create template

**show**
Template creators can record media as demonstrations.

**tell**
They can add tags and reorder clips to prioritize target captures.

**make**
Features of each demonstration are individually adjustable.

**share**
Projects can be bundled and uploaded.

### 2. record

**prepare**
Tags remind users of the content to include in the clip.

**adjust**
Realtime feedback guides capture and can include audio quality, composition, orientation, and other suggestions.

**link**
Users can link paper media to digital clips via barcodes.

### 3. review

Users or template creators can view annotated clips on the device.

### how we do it

NudgeCam samples audio and preview frames. The frames, audio amplitude, and sensor data are passed to the main application thread, which analyzes audio and sensor data and passes luminance data from the preview frames to worker threads.

### deployments

**Media-based diary studies**
In a diary study, researchers direct participant capture to better understand everyday activities.

**Testimonials for rural health**
Template creators can create projects that guide the capture of persuasive video clips.

### future work

**Remote work and disabled capture**

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