

NudgeCam

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Scan to access video and more



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

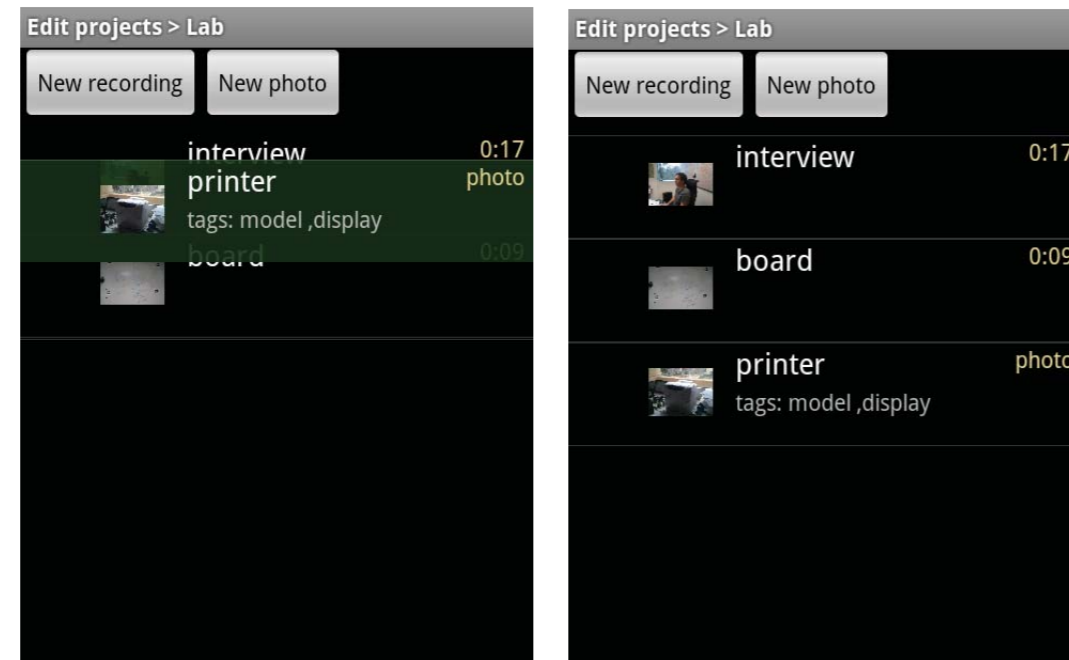
show

Template creators can record media as demonstrations.



tell

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



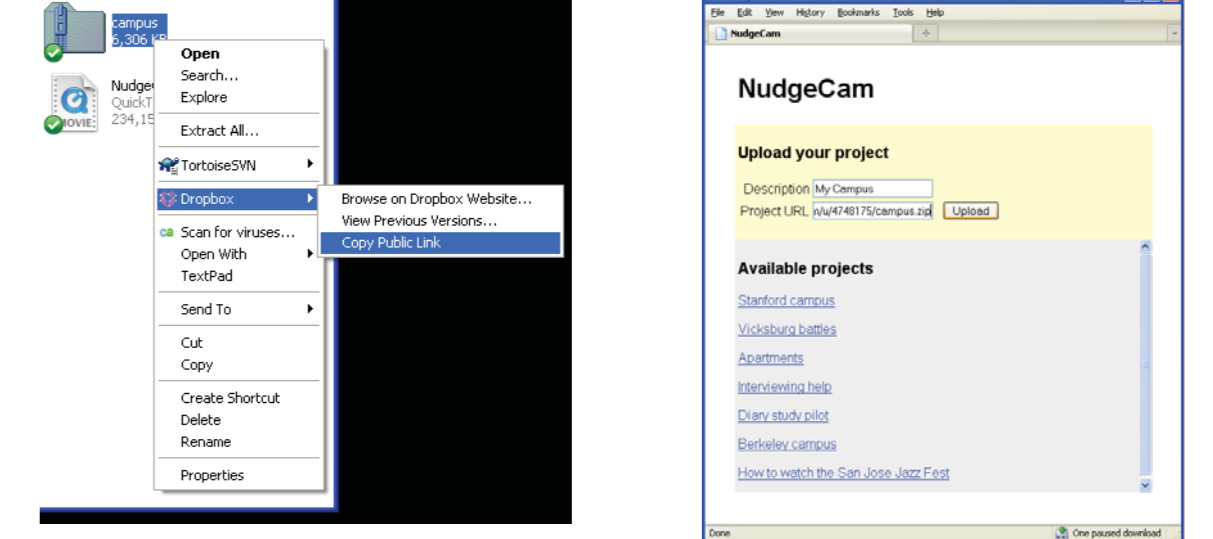
make

Features of each demonstration are individually adjustable.



share

Projects can be bundled and uploaded.



2 record

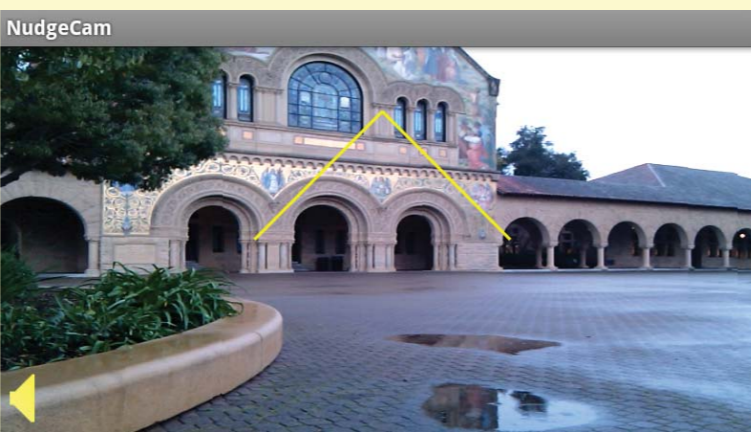
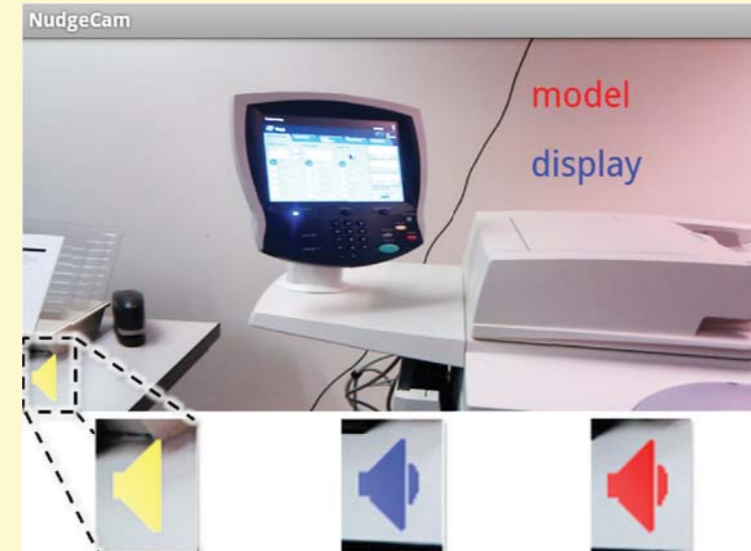
prepare

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



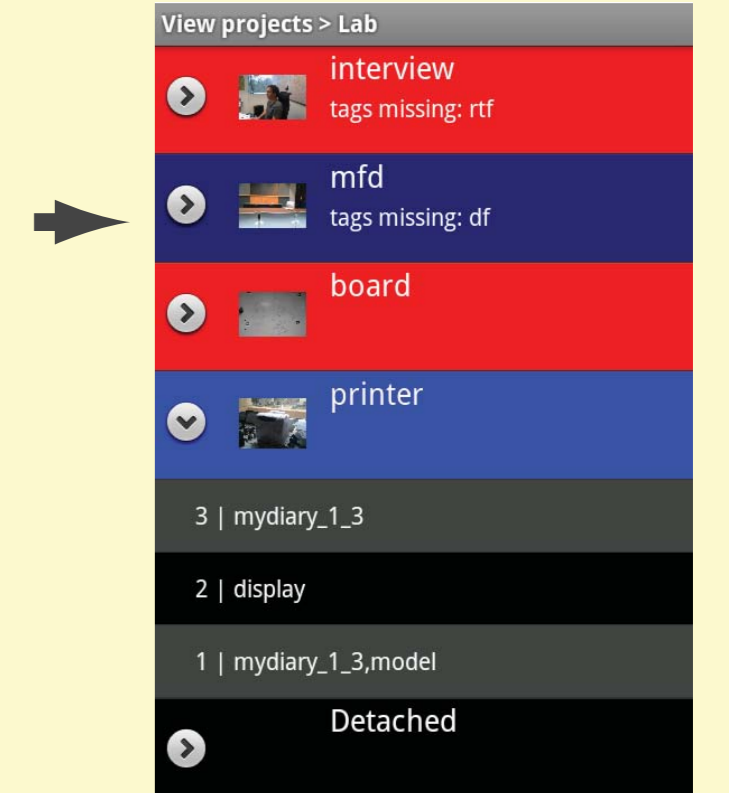
adjust

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



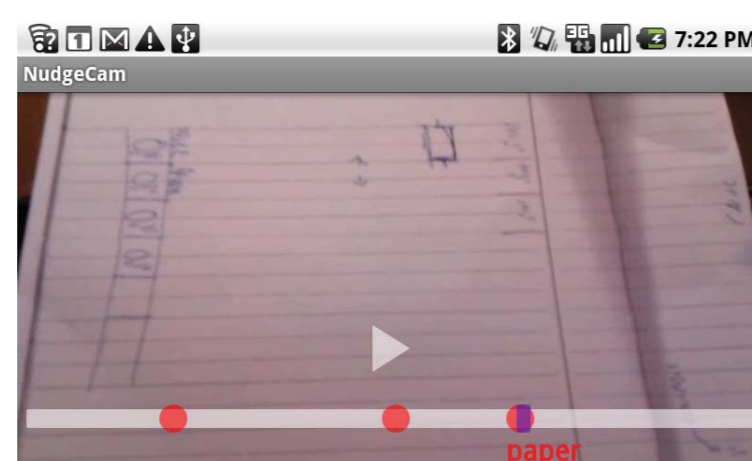
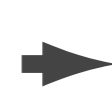
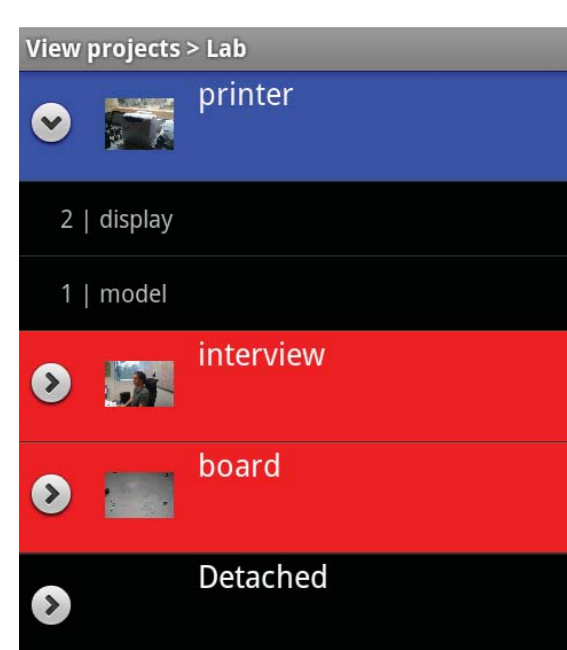
link

Users can link paper media to digital clips via barcodes.



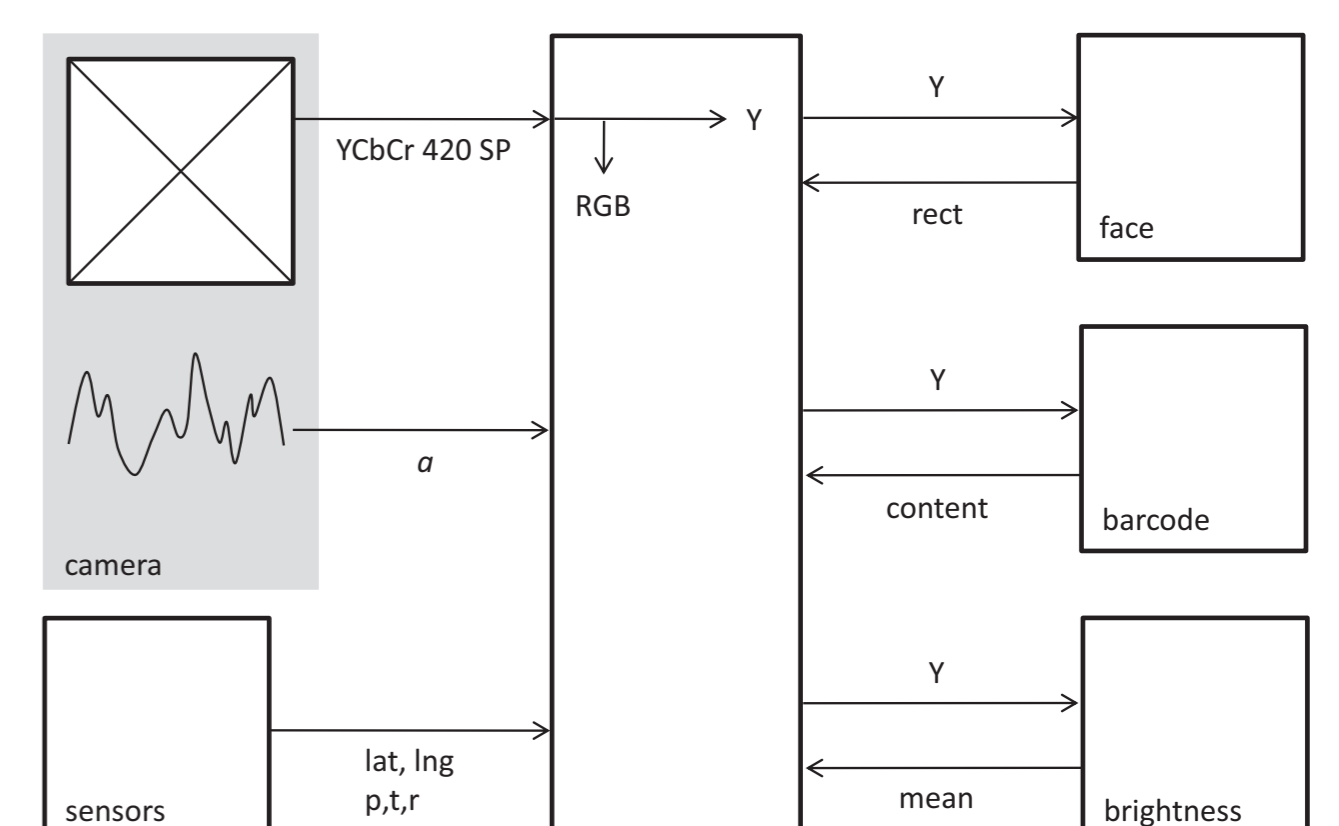
3 review

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.



Remote work and disabled capture



future work

From Harper. Talking about pictures: A case for photo elicitation. Visual Studies. 17(1), 2002.

From Ramachandran et al. Mobile-izing Health Workers in Rural India. CHI 2010.

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