



SECOORA

Technical session 3: Demo

Friday, October 11, 10:35 - 11:15 AM

Session overview

Lead(s) = Paul Ganev & Dennis Murphy, Surfline; Jeremy Cothran, USC

Format = Participants look at and work with cameras provided by Surfline and spare cameras.

Goal = Connect your camera to your computer & explore its features.



Camera feeds



[Morro Bay, CA Harbor](#)



[Ala Moana, HI](#)



[Waikiki, HI](#)



[Davis Park, NY Marina](#)



Types of cameras

- IP/Network cameras
- Currently in WebCOOS:
 - Fixed-view
 - Bullet
 - Pan-Tilt-Zoom (PTZ)
 - Dual/Panoramic/wide-angle: up to 180deg FOV
- Not currently in WebCOOS:
 - Dome
 - Turret
 - Fisheye
- More expensive PTZ (pan-tilt-zoom) cams or scientific grade [Argus cams](#) often provide the best quality imagery (resolution, limited distortion, etc.)
- Inexpensive cams (security cams, trail cams, raspberry pi home built cams) can still provide useful imagery
- Microprocessors can be paired w/ other sensors - rain gauge, water level(acoustic distance)

