



SR Research is pleased to announce the latest exciting development for the EyeLink II eye tracker; the EyeLink II Scene Camera option. With the Scene Camera option, EyeLink II users can track gaze position on a real world scene video being captured from a head mounted scene camera.

Now researchers can purchase a single eye tracker that offers the highest quality computer based eye tracking and scene camera eye tracking all in one package!

Key Features

- Cyclopean overlay view which uses binocular recording data to provide a single point of gaze representation.
- Accurate gaze video overlay on head mounted colour scene camera video (30 frames per second, 60 fields per second).
- Amazing tolerance to external / varying light sources compared to mirror based systems.
- Save scene - gaze overlay to any recording device supporting S-Video or composite (RCA) input.
- Eye data is recorded at 250Hz.
- Unlimited head movements.
- Use of EyeLink II's binocular recording capabilities to correct for horizontal and vertical parallax errors when the participant is looking at non calibrated viewing distances. This offers a significant accuracy advantage over some of the other scene camera eye trackers available.



The Scene Camera Option Includes:

- Modified EyeLink II tracker application.
- All necessary cabling.
- Video overlay device for displaying gaze position on scene camera video.
- Scene Camera and mounting for EyeLink II headband.
- Analog to DV fire wire converter for use with future video saving applications (see below).

SR Research offers either a colour or black and white camera option, with either a 72 or 95 diagonal degree field of view lens. The base scene camera option includes one camera of your choice. You may purchase additional camera's if desired.

Next Steps

SR Research will also be launching a set of Windows applications by September 2004 that allow users of the scene camera system to directly save their scene camera video as 720x480, 30 fps or 360x480, 60 fps DV AVI files and then play back these files for analysis purposes. We have developed a time code integration mechanism that will provide unparalleled synchronization accuracy between the scene video and eye data (better than 3 msec) when used with this application set. When available, Scene Camera users will be able to download this tool set free of charge.

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