

Supplementary figures:

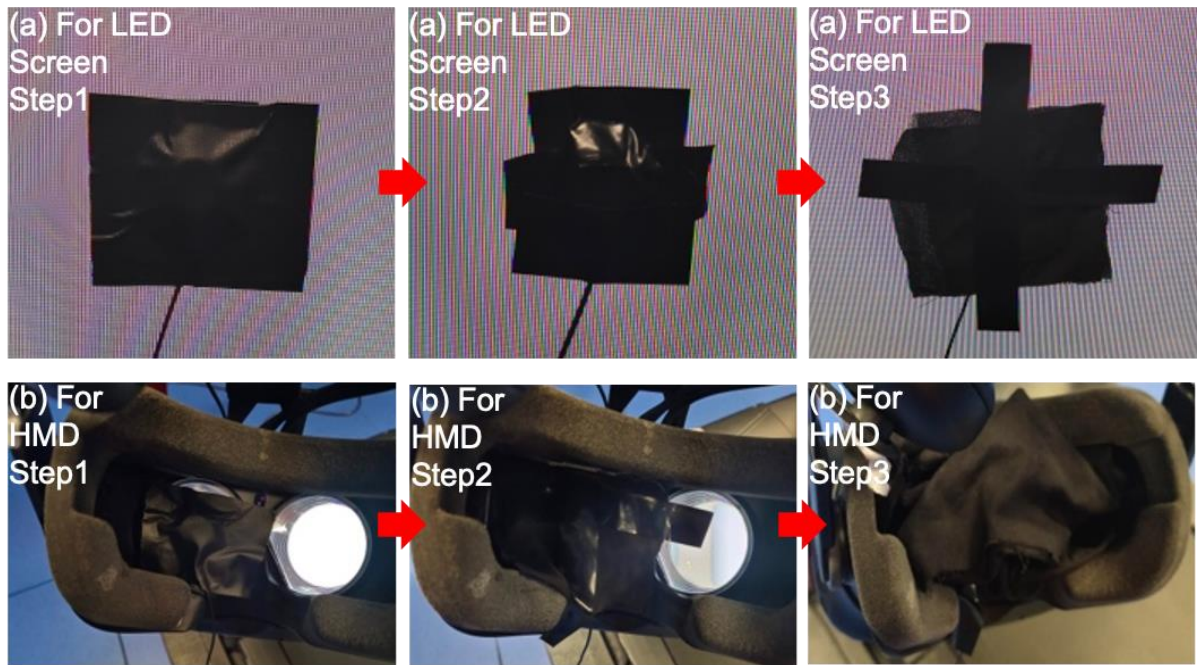


Fig 1S Procedure to place and cover photodiode on (a) LED screen, and (b) left eyepiece of head mounted display (HMD). For both the displays, Step1: Cover the photodiode with the black tape. Step2: Cover the tape with a piece of black cloth and tape the cloth. Step3: Repeat Step2. Although the experiment was conducted in a dark room, the above steps ensured that any ambient light if present due to displays or other electronics does not affect the photodiode signals.

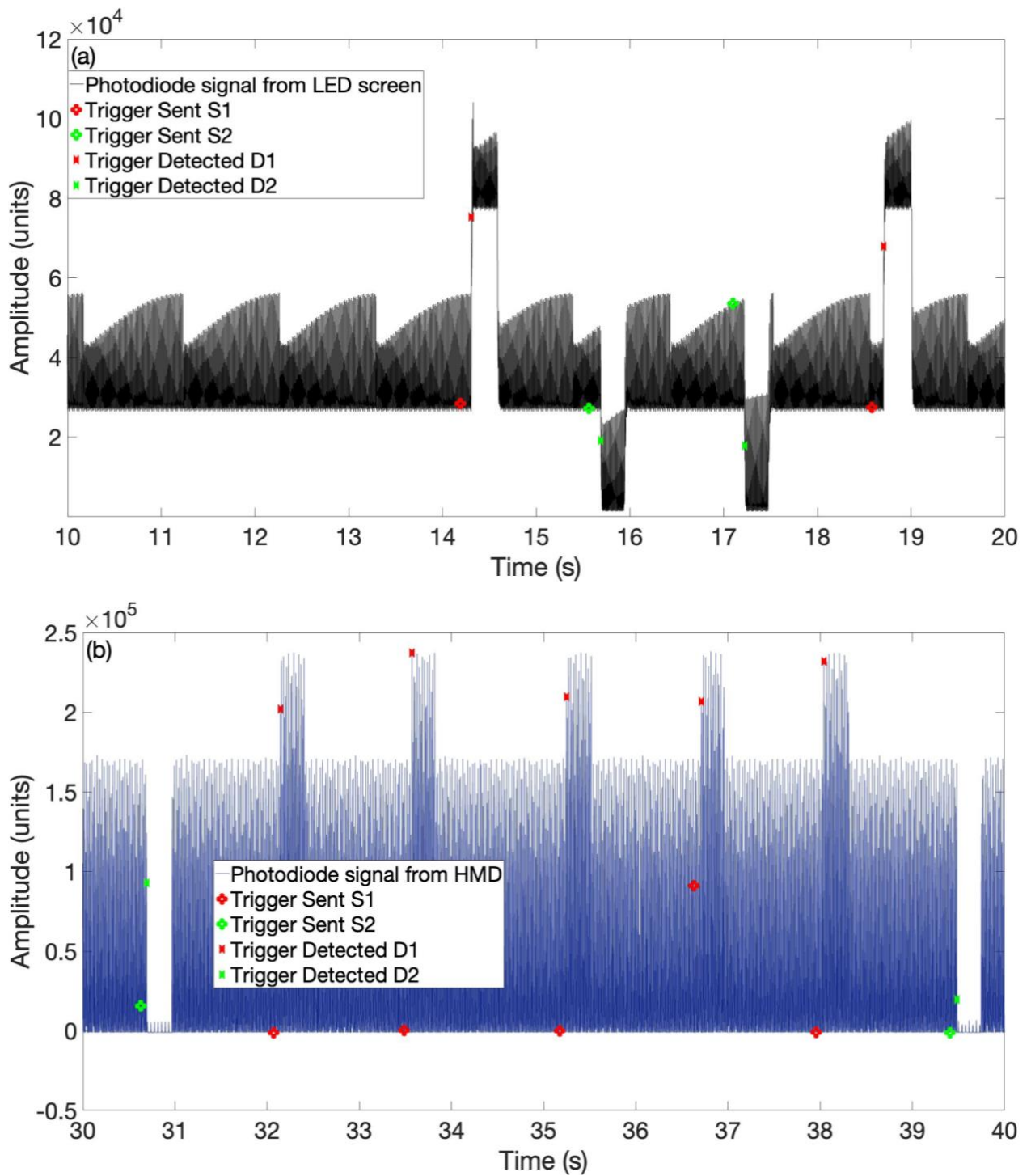


Fig 2S Example of an acquired photodiode signal from (a) LED screen and (b) head mounted display (HMD). These figures are scaled to an instance of 10 s data to show changes in the shape of the photodiode signal after the onset of each type of stimulus.