The Matlab Image Acquisition Toolbox Graphical User Interface (GUI) and a second circuit were used to configure the camera to send a TTL pulse to the Intan data acquisition system (Intan Technologies, Los Angeles, California, United States) every time a frame was exposed. This allowed the timing of each frame to be aligned with the recorded neural activity. This circuit consisted of an open collector trigger from the camera and a pull up resistor to process the signal for triggering the Intan system. After collection, video information was processed by DeepLabCut (Mathis et al., 2018) and custom Matlab code (github.com/GiaJordan/Behavior\_Quantification).