





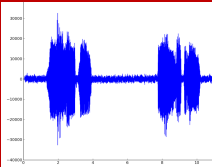

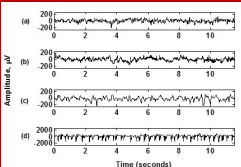


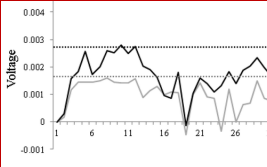




	RGB	3D	Thermal	Audio	EEG	EDA
Sensor Examples	 <p>RGB cameras (e.g. webcam or Kinect)</p> 	 <p>Microsoft Kinect*</p> 	 <p>FlirOne*</p> 	 <p>Microfone e.g. from Kinect</p> 	 <p>Smarting</p>  <p>Emotiv Epoc+</p> 	 <p>BioSignalsPlux EDA sensor</p>  <p>Emotica E4 wristband</p> 
Features	<p>Models: Active Appearance Models (AAM), Optical flow models , Geometry-based shape models</p> <p>Texture features: Gabor wavelets, Local Binary Pattern, HoG, Local Gradient Code,</p> <p>Toolboxes: OpenFace, OpenCV, Dlib</p>	<p>3D Morphable Models (3DMM), 3D wireframe models, 3D Constrained Local Model (CLM-Z)</p>	<p>Radiant emittance, appearance features, temperature difference histogram features (TDHFs), thermal statistic features (StaFs), eigenimages, gray level co-occurrence matrices (GLCMs)</p>	<p>Mel Frequency Cepstral Coefficients (MFCC), Spectral centroid, Spectral flux, Beat Histogram, Pitch</p> <p>Toolbox: OpenSmile</p>	<p>bispectrum, power spectrum, wavelet packet, nonlinear dynamical analysis.</p> <p>Toolboxes: PyEEG</p>	<p>Npeak, AUC, peak, MeanTonic</p> <p>Toolboxes: edaExplorer, cvxEDA</p>