Examples of Facial Recognition Products Used in an Educational Setting

Name of Product	Facial Recognition Capabilities	Purpose and provide a brief description	Class or Project in which this product is being used
Scratch	[Face Sensing](#)	Elementary and Middle School students	Help students understand how online filters are made and as an Introduction to learning about AI.
Teachable Machine	Image Classifier	Help students create their machine learning models	Introduction to AI and the AI Leadership team use this technology
AutoAuto AI	Car	Students are learning about self-driving cars, and using the onboard camera, they are detecting different objects to avoid.	Introduction to AI and the AI Leadership team all use this as it could be a part of summer camp offerings.
Open CV	Software used to identify objects, including human faces	This is the world's largest open-source Computer Vision library, with over 2 million weekly downloads.	Use it to create a machine learning model and learn more about AI.
Roboflow	It helps in the labeling of the dataset	We use this to help label the fish to help Boulder County Parks and Rec in their fish conservation efforts.	We use this with our AI Leadership project teams.
Mavic Drones	Cameras for UAS ops and iPads.	Classes are using drones for flight training to earn Part 107 Remote Pilot License. UAS Ops team is using drones for client work with photogrammetry and	UAS Flight Concepts and Training. Aeronautics Team.

		thermal imaging.	
YOLO (You Only Look Once)	Algorithm for real-time object detection	It has a wide range of applications. Its purpose is to create bounding boxes around the images and label the objects according to their classes.	Some of my students have used this in the past to help label the data for image recognition for our FishNET project.
Furhat	Face Sensing and Face Recognition	Personalized interactions, catered conversations, personalized instructions.	Socially Assistive Robotics Team, and Robotics B Class
Misty	Face Sensing, Face Recognition, and Object Detection	Personalized interactions, catered conversations, personalized instructions.	Socially Assistive Robotics Team, and Robotics B Class
Pepper	Face Sensing, Face Recognition, Object Detection, and Emotion Recognition	Personalized interactions, catered conversations, personalized instructions.	Socially Assistive Robotics Team, and Robotics B Class
NAO	Face Sensing, Face Recognition, Object Detection, and Emotion Recognition	Personalized interactions, catered conversations, personalized instructions.	Socially Assistive Robotics Team, and Robotics B Class
Cozmos	Face Sensing & Object Detection	Personalized interactions, robot communication.	AI Class
AMD Boards (Pynq & Kria SOM)	These development boards are excellent for facial recognition and ML algorithms	Learning about pre-trained models, testing applications of facial recognition	IOT Team & Summer Camps