## **Resource Summary Report**

Generated by <u>NIF</u> on May 19, 2025

# **Computer Vision System Toolbox**

RRID:SCR\_017581 Type: Tool

### **Proper Citation**

Computer Vision System Toolbox (RRID:SCR\_017581)

### **Resource Information**

URL: https://www.mathworks.com/products/computer-vision.html

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**Description:** Software tool to provide algorithms, functions, and apps for designing and testing computer vision, 3D vision, and video processing systems for MATLAB. You can perform object detection and tracking, as well as feature detection, extraction, and matching. For 3D vision, toolbox supports single, stereo, and fisheye camera calibration; stereo vision; 3D reconstruction; and lidar and 3D point cloud processing. Computer vision apps automate ground truth labeling and camera calibration workflows.

Synonyms: Computer Vision Toolbox, MATLAB Computer Vision System Toolbox

**Resource Type:** software application, software toolkit, image processing software, data processing software, software resource

**Keywords:** The MathWorks, Inc. designing, testing, computer, vision, 3D, video, processing, system, MATLAB, object, detection, tracking

#### Funding:

Availability: Restricted

Resource Name: Computer Vision System Toolbox

Resource ID: SCR\_017581

Record Creation Time: 20220129T080335+0000

Record Last Update: 20250517T060326+0000

### **Ratings and Alerts**

No rating or validation information has been found for Computer Vision System Toolbox.

No alerts have been found for Computer Vision System Toolbox.

### Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Teng D, et al. (2021) Using comprehensive machine-learning models to classify complex morphological characters. Ecology and evolution, 11(15), 10421.

Doykos TK, et al. (2020) Monosynaptic inputs to specific cell types of the intermediate and deep layers of the superior colliculus. The Journal of comparative neurology, 528(13), 2254.