


# CAM'ouflage in Action

Herewith find some examples of how CAM'ouflage misleads Google Vision AI.

## Example 1

Original


Objects   **Labels**   Web   Text   Properties   Safe Search



Payphone	99%
Green	95%
Telephone	92%
Telephone Booth	87%
Telephony	86%
Technology	73%
Electronic Device	61%
Machine	54%

CAM'ouflaged

Objects   **Labels**   Web   Text   Properties   Safe Search




Green	98%
Architecture	65%

## Example 2

Original

Objects    Labels    Web    Properties    Safe Search




Scissors 92%

The image shows a pair of black-handled scissors with silver blades lying on a white surface. A green rectangular bounding box is drawn around the scissors. To the right, a panel displays the label 'Scissors' with a green progress bar and a confidence score of 92%.

CAM'ouflaged

Objects    Labels    Web    Properties    Safe Search



Packaged goods 76%


IMG\_1311.PNG

The image shows a pair of scissors submerged in a cup of coffee. The scissors are rendered in a brownish, coffee-like color, making them difficult to distinguish from the liquid. A green rectangular bounding box is drawn around the cup. To the right, a panel displays the label 'Packaged goods' with a green progress bar and a confidence score of 76%. The filename 'IMG\_1311.PNG' is visible at the bottom of the image.

### Example 3

Original

Labels   Logos   Web   Text   Properties   Safe Search




IMG\_0440.JPG

Manhole	96%
Manhole Cover	87%
Asphalt	77%
Road Surface	72%
Pattern	62%
Circle	54%
Nonbuilding Structure	54%
Art	50%

CAM'ouflaged

Labels   Logos   Web   Properties   Safe Search



IMG\_1338.PNG

Circle	64%
Shadow	56%
City	51%

The "Latte Art" effect can mislead this AI more than 90% of the time. The performance of the other effects vary. We also plan to update CAM'ouflage to reflect the state of the art and also to counter for the advances in commercial vision AI systems.

Please feel free to contact us if further information is needed.

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