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# Concurrent-Image-Read Documentation

*Release latest*

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Concurrent-Image-Read is a python module to read Image Files or Image List Concurrently with multi-threading

Installation

Dependencies

Python ( $\geq 3.7$ )

cv2 ( $\geq 4.5$ )

NumPy ( $\geq 1.17$ )

glob ( $\geq 0.7$ )

future ( $\geq 0.18.2$ )

User installation

Source code

You can check the latest sources with the command:

Usage

Default Parameters

read function

image\_list = List or Numpy array or Single Path of image

num\_threads = Number of threads (default 3) (optional)

channel\_type = BGR or RBG (default BGR) (optional)

root\_path = String, Parent path for all files (optional)

grayscale = True or False (optional)

resize = List or Tuple resize scale in (width,height) (optional)

normalisation = True or False, Image array divide by 255 (optional)

read\_dir function

dir\_path = String, Path of Image Directory

file\_type = 'all' or 'PNG', 'JPG', ... etc or ['JPG', 'PNG', ...] (case sensitive) (default png) (optional)

num\_threads = Number of threads (default 3) (optional)

channel\_type = BGR or RBG (default BGR) (optional)

sub\_dir = Bool, Find all Images in all child directory also (default False) (optional)

grayscale = True or False (optional)

normalisation = True or False, Image array divide by 255 (optional)

read\_camera function

source = Integer for Webcam or String for Path of Camera or List of Cameras

num\_threads = Number of threads (default 3) (optional)

fps = Integer in seconds, Frame per seconds (optional)

end\_time\_sec = Integer in seconds, end time of camera (optional)

channel\_type = BGR or RBG (default BGR) (optional)

grayscale = True or False (optional)

normalisation = True or False, Image array divide by 255 (optional)

read\_video\_file function

source = List or Numpy array or Single Path of Video

num\_threads = Number of threads (default 3) (optional)

fps = Integer in seconds, Frame per seconds (optional)

end\_time\_sec = Integer in seconds, end time of camera (optional)

channel\_type = BGR or RBG (default BGR) (optional)

root\_path = String, Parent path for all files (optional)

grayscale = True or False (optional)

normalisation = True or False, Image array divide by 255 (optional)

With Image List

You can check the latest sources with the command:

With Image Path

With Directory Path

With Camera List

With Camera Path

With Video List

With Video Path