pyimg Documentation

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User Documentation

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CHAPTER 1

Combine

1.1 blend_images

def blend_images(img1, img2, alpha=0.5): “”” Blend two images with alpha as ratio

“”“

1.2 overlay_contour

def overlay_contour(img, np_arr, rgb=(255, 0, 0), cnt_width=1): “””Overlay contour on image.

“”“

1.3 overlay_bbox

def overlay_bbox(im, boxes, rgb, stroke=1): “””Overlay bounding boxes on image.

“”“

1.4 overlay_box_label

def overlay_box_label(img, boxes, labels): “”” Overlay paired boxes and lables on image.

“”“

1.5 stackgray2rgb

def stackgray2rgb(gray): “”“Stack three same gray image to rgb image.

“”“

CHAPTER 2

Convert

2.1 PIL2npArr

def PIL2npArr(pil_img): “”” Convert Pillow image to numpy array.

“”“

2.2 Bool2Uint8

def Bool2Uint8(bool_img): “”” Convert bool image to dtype uint8.

“”“

2.3 Binary2Bool

def Binary2Bool(bin_img): “”” Convert binary image to dtype bool.

“”“

CHAPTER 3

Refine

3.1 crop_center

def crop_center(img, crop_h, crop_w): “”” Crop center part of image.

“”“

3.2 pad_image

def pad_image(img, ttl_h, ttl_w): “”” Pad image to be with fixed-size.

“”“

3.3 remove_weak_connection

def remove_weak_connection(bin_img): “”” Remove weak connection in binary image.

“”“

CHAPTER 4

About pyimg