tf.image.decode_and_crop_jpeg

```
decode_and_crop_jpeg(
    contents,
    crop_window,
    channels=0,
    ratio=1,
    fancy_upscaling=True,
    try_recover_truncated=False,
    acceptable_fraction=1,
    dct_method='',
    name=None
)
```

Defined in `tensorflow/python/ops/gen_image_ops.py`.

Decode and Crop a JPEG-encoded image to a uint8 tensor.

The attr `channels` indicates the desired number of color channels for the decoded image.

Accepted values are:

- 0: Use the number of channels in the JPEG-encoded image.
- 1: output a grayscale image.
- 3: output an RGB image.

If needed, the JPEG-encoded image is transformed to match the requested number of color channels.

The attr `ratio` allows downscaling the image by an integer factor during decoding. Allowed values are: 1, 2, 4, and 8. This is much faster than downscaling the image later.

It is equivalent to a combination of decode and crop, but much faster by only decoding partial jpeg image.

Args:

- `contents`: A `Tensor` of type `string`. 0-D. The JPEG-encoded image.
- `crop_window`: A `Tensor` of type `int32`. 1-D. The crop window: [crop_y, crop_x, crop_height, crop_width].
- `channels`: An optional `int`. Defaults to `0`. Number of color channels for the decoded image.
- `ratio`: An optional `int`. Defaults to `1`. Downscaling ratio.
- `fancy_upscaling`: An optional `bool`. Defaults to `True`. If true use a slower but nicer upscaling of the chroma planes (yuv420/422 only).
- `try_recover_truncated`: An optional `bool`. Defaults to `False`. If true try to recover an image from truncated input.
- `acceptable_fraction`: An optional `float`. Defaults to `1`. The minimum required fraction of lines before a truncated input is accepted.
- `dct_method`: An optional `string`. Defaults to `""`. string specifying a hint about the algorithm used for decompression. Defaults to "" which maps to a system-specific default. Currently valid values are ["INTEGER_FAST", "INTEGER_ACCURATE"]. The hint may be ignored (e.g., the internal jpeg library changes to a version that does not have that specific option.)
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `uint8`. 3-D with shape `[height, width, channels]`..

Last updated November 2, 2017.