



On Demand Image Snapshots

This How To document describes how to use HDOnTap's On Demand Image Snapshot feature to generate bitmap images from live streams.

Use:

This feature is used quite often to create live updating thumbnail images on websites that when clicked on take you to the actual live stream. It is also used quite often to create snapshot images for live stream viewers that can be posted to social sharing sites as well as emailed.

Method:

An HTTP GET method is used to request the image. The HTTP URL format to request the image is as follows:

```
http://liveimage.hdontap.com:8086/snapshot?stream=hdstreams/[StreamName]&type=[format]&size=[WxH]
```

URL Components:

[StreamName] = Stream Name (Contact an HDOnTap representative if you do not have your stream name)

[format] = Jpeg format or PNG format using; jpg or png

[WxH] = pixel width x pixel height as desired; ex: 800x450

RE: Size Parameter

- if no size is specified, it will return the size of the native stream
- if only the Width is specified, it will return the proportional Height
- if Width and Height are given, it will return that size

Image Format:

Choosing either PNG or JPEG image file format is up to you. If no image file format is specified in the HTTP request, it will return a PNG image.

Examples:

Both Width and Height Specified:

```
http://liveimage.hdontap.com:8086/snapshot?stream=hdstreams/lgbharbor_hdontap&type=jpg&size=320x180
```

- It is important when specifying a custom size that you maintain the aspect ratio of the live stream otherwise the image will appear distorted. Visit <http://assets.hdontap.com/playersize/> to assist in determining a proper 16:9 aspect ratio for your on demand image.

Only Width is specified:

```
http://liveimage.hdontap.com:8086/snapshot?stream=hdstreams/lgbharbor_hdontap&type=jpg&size=320
```

No size is specified:

```
http://liveimage.hdontap.com:8086/snapshot?stream=hdstreams/lgbharbor_hdontap&type=jpg
```

- Returns the native stream resolution size image in the specified JPEG file format.

Size nor image file format are specified:

```
http://liveimage.hdontap.com:8086/snapshot?stream=hdstreams/lgbharbor_hdontap
```

- Returns the native stream resolution size image in PNG image file format.