

12: ENDLESS STREAMING MEDIA

by Francis Chao

fchao2@yahoo.com

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Notes**”

SUMMARY

The videos and audios that you view or listen to in a Web browser arrive in your computer in three ways: streaming without files, sequential file chunks, and single file downloads.

You can use various software programs to save these media items for future viewing or listening.

TOPICS

- Streaming Without Files

Animal Webcams | Califo x


Secure | <https://www.calacademy.org/learn-explore/animal-webcams>

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(continued)

- Hover the mouse on the video to get to the time shifting time line.
- The time line represents a rolling recorded buffer that you can view.
- Click on the time line to view an earlier point in the buffered, time-shifted video
- Click on the word "Live" to "Skip ahead to the live broadcast"⁶

STREAMING WITHOUT FILES

(continued)

- Even though they are streaming without creating files, the museum that sends you this unending video is using a YouTube account and YouTube sends the video to you in chunks to make it easier for your Web browser to play the video without interruptions.

STREAMING WITHOUT FILES

(continued)

- Start up Applian's "Replay Media Catcher 7":



Replay Media Catcher 7

STREAMING WITHOUT FILES

(continued)

- After you start it up, Applian's "Replay Media Catcher 7" looks like this:



Home

AUTO



Enter (or Drag and Drop) the URL of a video page to download



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Schedule



Monitor

No Conversion Setting ▾



Search



#	Name	Quality	Size	Duration	Status

STREAMING WITHOUT FILES

(continued)

- Make sure that the "Stream Downloader" button is high-lighted. If it is not, click on it to high-light it as follows:



Home

AUTO



Enter (or Drag and Drop) the URL of a video page to download



Guides



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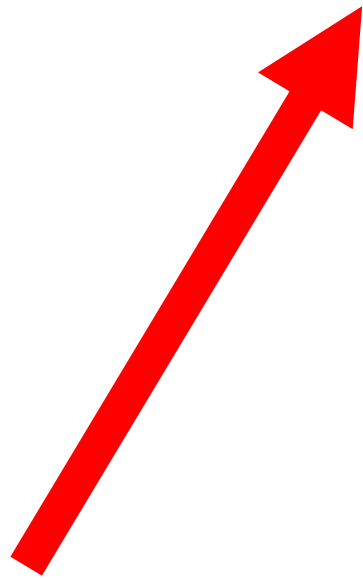
Search



#	Name	Quality	Size	Duration	Status



Catcher 7





STREAMING WITHOUT FILES

(continued)

- Copy the URL from the Web browser to the URL box of "Replay Media Catcher":



Home

 AUTO

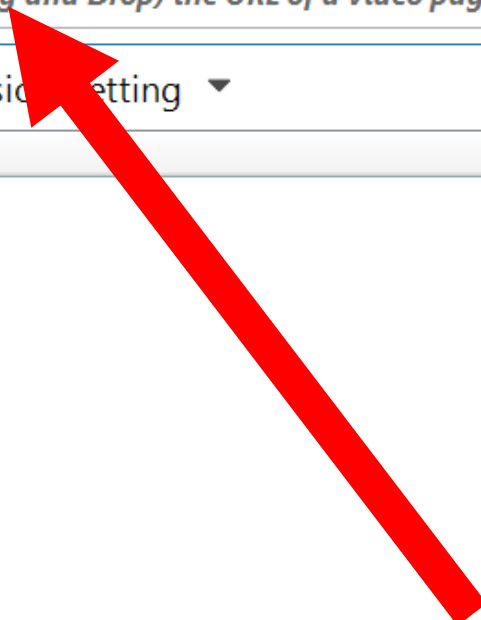
Enter (or Drag and Drop) the URL of a video page to download



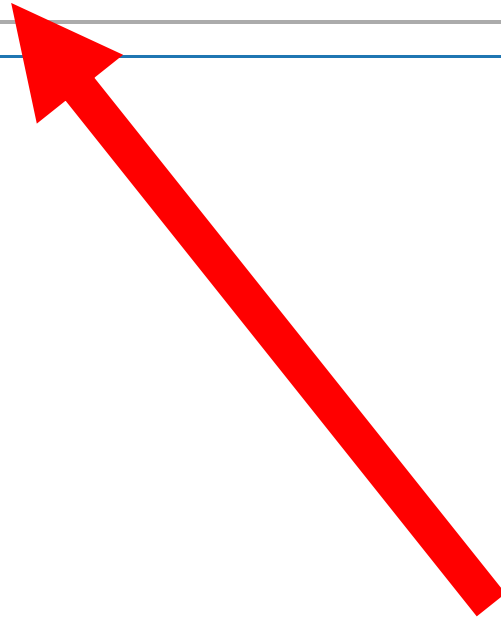
Guides

No Conversion setting ▼

#	Name	Quality
---	------	---------



<https://www.calacademy.org/learn-explore/animal-webcams>



STREAMING WITHOUT FILES

(continued)

- Click on the "Download" button:



AUTO



Home

https://www.calacademy.org/learn-explore/animal-webcams



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No Conversion Setting

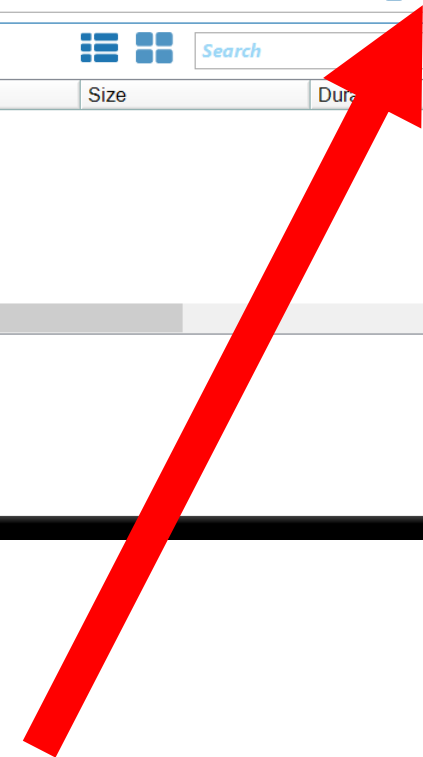


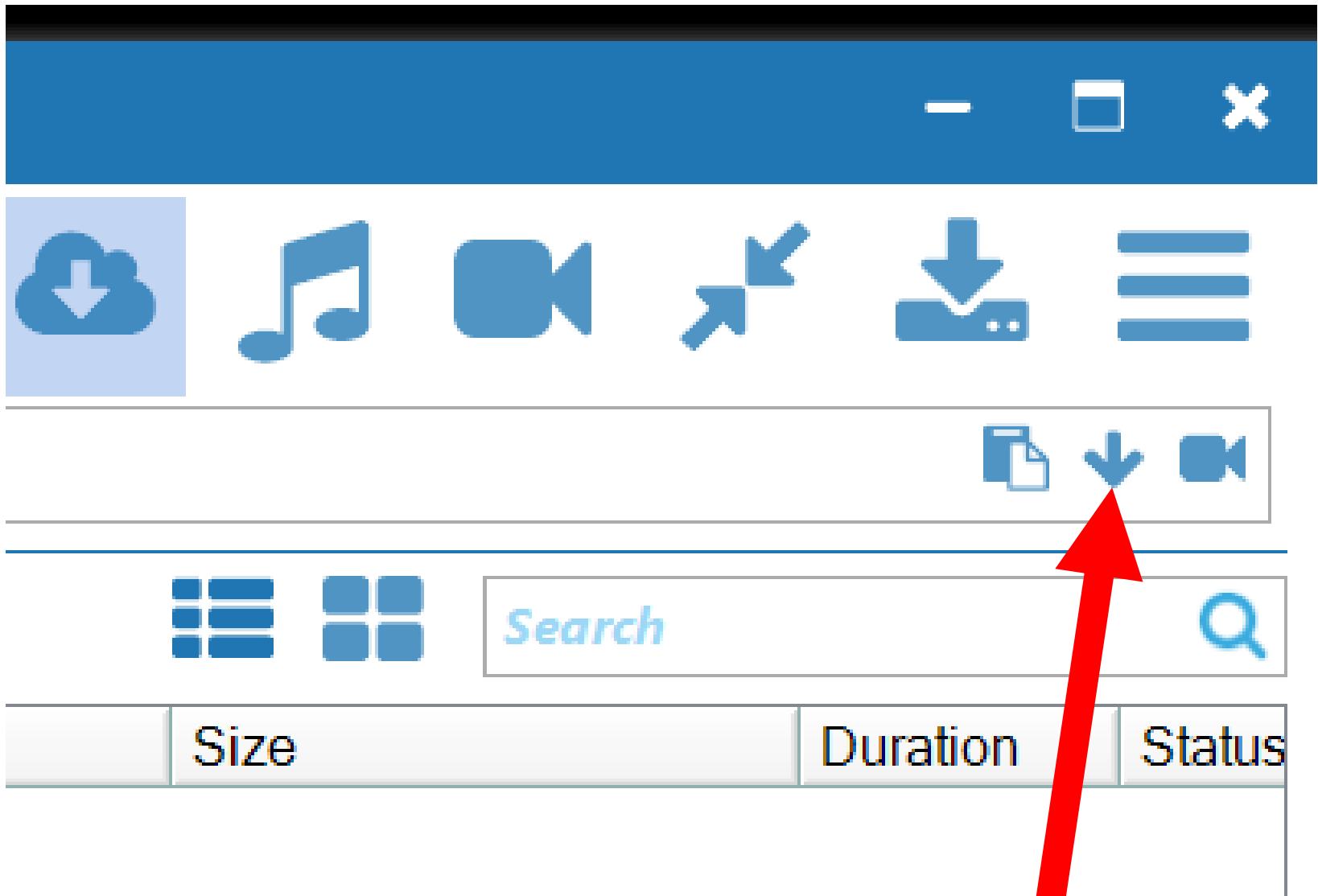
Schedule

#	Name	Quality	Size	Duration	Status
---	------	---------	------	----------	--------



Monitor





STREAMING WITHOUT FILES

(continued)

- Then "Replay Media Capture" will pop up a window to let you know that it has detected a video stream that it is capable of recording:

Multiple Streams Detected



Multiple formats and/or qualities for the same media have been detected.

Double click an entry to download that format/quality.

Expand items to see alternative formats/qualities that can be downloaded.

Title	Format/Quality	Protocol	Size
⊕ Live Reef Lagoon Cam (Lagoon View) California...	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	

Preferred Download Quality

Preferred Download Format

Prompt ▾

Prompt ▾

Close

STREAMING WITHOUT FILES

(continued)

- Click on the "+" button to see what definition formats that the streaming video can be recorded into:

Multiple Streams Detected

Multiple formats and/or qualities for the same media have been detected.

Double click an entry to download that format/quality.

Expand items to see alternative formats/qualities that can be downloaded.

Title	Format/Quality	Protocol	Size
<input type="checkbox"/> Live Reef Lagoon Cam (Lagoon View) California...	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	

Preferred Download Quality

Prompt

Preferred Download Format

Prompt

Close



M

Multiple formats and/or qualities for the same

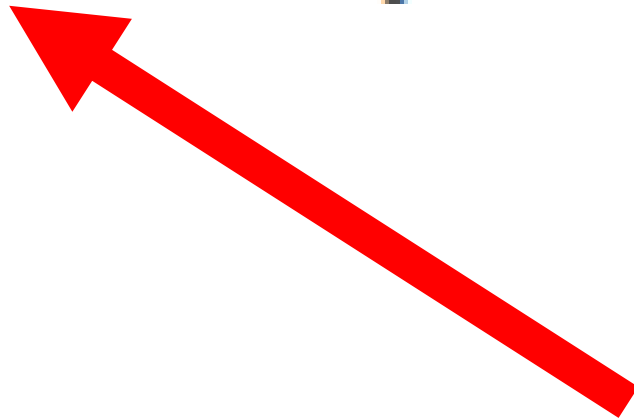
M

Double click an entry to download that format/

Expand items to see alternative formats/qualities

Title

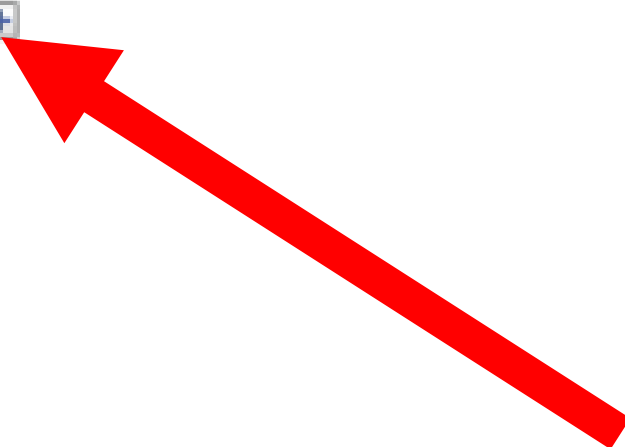
Live Reef Lagoon Cam (Lagoon View) |



STREAMING WITHOUT FILES

(continued)

- Click on the second "+" button is expand the options "tree" more:

Title	
[-] Live Reef Lagoon Cam (Lagoon View) California... + 	MP4 (MP4 HLS 7... MP4 (MP4 HLS 7...

STREAMING WITHOUT FILES

(continued)

- The "tree" of definition formats will now be fully expanded:

Title	Format/Quality	Protocol	Size
<input type="checkbox"/> Live Reef Lagoon Cam (Lagoon View) California...	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
<input type="checkbox"/>	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
	MP4 (MP4 HLS 480p, 30 fps / AAC LC, 1380...	HLS	
	MP4 (MP4 HLS 360p, 30 fps / AAC LC, 829 kbs)	HLS	
	MP4 (MP4 HLS 240p, 30 fps / AAC SBR, 338...	HLS	
	MP4 (256x144, 30 fps / AAC SBR, 197 kbs)	HLS	

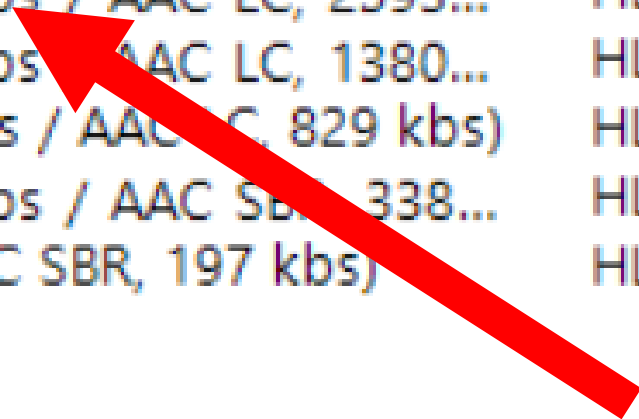
STREAMING WITHOUT FILES

(continued)

- Double-click on the specific definition format that you want:

Title	Format/Quality	Protocol	Size
<input type="checkbox"/> Live Reef Lagoon Cam (Lagoon View) California...	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
<input type="checkbox"/>	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
	MP4 (MP4 HLS 480p, 30 fps / AAC LC, 1380...	HLS	
	MP4 (MP4 HLS 360p, 30 fps / AAC LC, 829 kbs)	HLS	
	MP4 (MP4 HLS 240p, 30 fps / AAC SBR, 338...	HLS	
	MP4 (256x144, 30 fps / AAC SBR, 197 kbs)	HLS	

	Format/Quality	Protocol	Size
.	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
	MP4 (MP4 HLS 480p, 30 fps / AAC LC, 1380...	HLS	
	MP4 (MP4 HLS 360p, 30 fps / AAC LC, 829 kbs)	HLS	
	MP4 (MP4 HLS 240p, 30 fps / AAC SBR, 338...	HLS	
	MP4 (256x144, 30 fps / AAC SBR, 197 kbs)	HLS	



STREAMING WITHOUT FILES

(continued)

- The desired resolution format will now highlight to a green color:

Format/Quality	Protocol	Size
MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	

STREAMING WITHOUT FILES

(continued)

- Click on the "Close" button of the "Multiple Streams Detected" window

Multiple Streams Detected

Multiple formats and/or qualities for the same media have been detected.

Double click an entry to download that format/quality.

Expand items to see alternative formats/qualities that can be downloaded.

Title	Format/Quality	Protocol	Size
<input type="checkbox"/> Live Reef Lagoon Cam (Lagoon View) California...	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	
<input type="checkbox"/>	MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593...	HLS	

Preferred Download Quality

Prompt

Preferred Download Format

Prompt

Close



STREAMING WITHOUT FILES

(continued)

- The endless video stream of MP4 chunks will now be recorded by Replay Media Catcher:

Name	Quality	Size	Duration	Status
🕒 Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4	MP4 (H264, 12...	87.7 MB	00:03:57	Downloading

Name

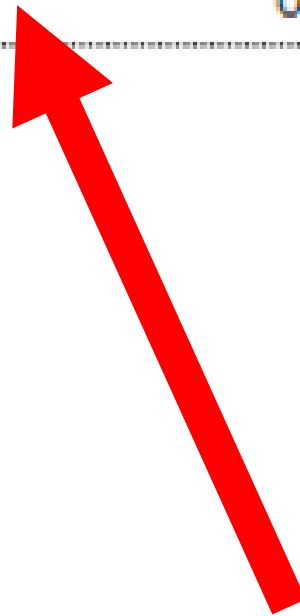
🕒 Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4

STREAMING WITHOUT FILES

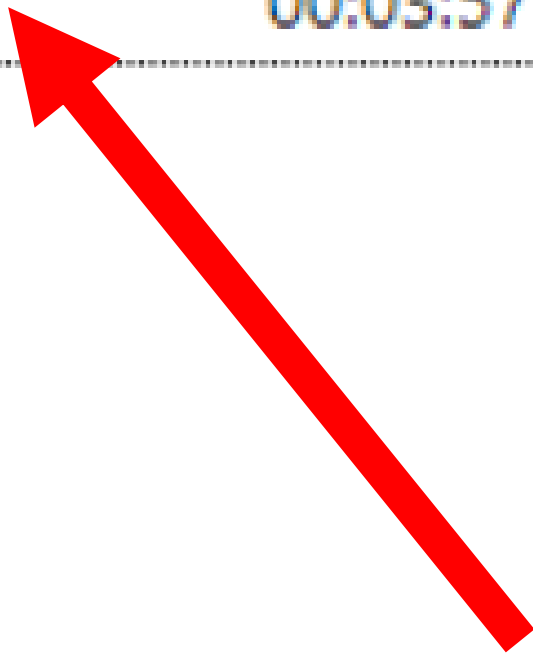
(continued)

- Note that "Replay Media Grabber" has not detected any file length information in the series of MP4 chunks that it is recording:

Quality	Size	Duration	Status
MP4 (H264, 12...	87.7 MB	00:03:57	Downloading



Size	Duration	Status
. 87.7 MB	00:03:57	Downloading



STREAMING WITHOUT FILES

(continued)

- When you want to stop the otherwise-endless recording process, use the right mouse button to click on the listing of the recording progress:



Home

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<https://www.calacademy.org/learn-explore/animal-webcams>

No Conversion Setting

#	Name	Quality	Size	Duration	Status
1	Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4	MP4 (H264, 1280x720, 30 fps / AAC, VBR)	382 MB	00:18:00	Downloading



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Get Support



Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4

Stream Downloading

MP4 (MP4 HLS 720p, 30 fps / AAC LC, 2593 kbs)

Size: 382 MB Time: 00:18:00
















STREAMING WITHOUT FILES

(continued)

- A pop-up context menu will be displayed:

#	Name
1	Live Reef Lagoon Cam (Lagoon View) California A














	Stop	Escape
	Delete	Del
	Rename	F2
	Remove	Ctrl+R
	Play	Enter
	Convert	Ctrl+C
	Save to MP3	Ctrl+M
	Combine	Add
	Fix FLV	Ctrl+F
	Restart	F5
	Import into iTunes	Ctrl+I
	Import into WMP	Ctrl+W
	Show in folder	Ctrl+O

STREAMING WITHOUT FILES

(continued)

- Click on "Stop" in the pop-up context menu:

#	Name
1	Live Reef Lagoon Cam (Lagoon View) California A

	Stop	Escape
	Delete	Del
	Rename	F2
	Remove	Ctrl+R
	Play	Enter
	Convert	Ctrl+C
	Save to MP3	Ctrl+M
	Combine	Add
	Fix FLV	Ctrl+F
	Restart	F5
	Import into iTunes	Ctrl+I
	Import into WMP	Ctrl+W
	Show in folder	Ctrl+O

STREAMING WITHOUT FILES

(continued)

- "Replay Media Catcher" will turn the series of video MP4 chunks into a well-behaved .MP4 file:

Name	Quality	Size	Duration	Status
✓ Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4	MP4 (H264, 1280x720, 30 fps / AAC, VBR)	398 MB	00:19:34	Complete

Name


✓ Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4

Quality	Size	Duration	Status
MP4 (H264, 1280x720, 30 fps / AAC, VBR)	398 MB	00:19:34	Complete

STREAMING WITHOUT FILES

(continued)

- This .MP4 file will be located at
C:\Users\<<your username>
\Documents\Applian\"Replay Media
Catcher\"

Name	Date	Type	Size	Length
 Live Reef Lagoon Cam (Lagoon View) California Academy of Sciences.mp4	8/21/2018 11:08 PM	MP4 File	408,094 KB	00:19:34