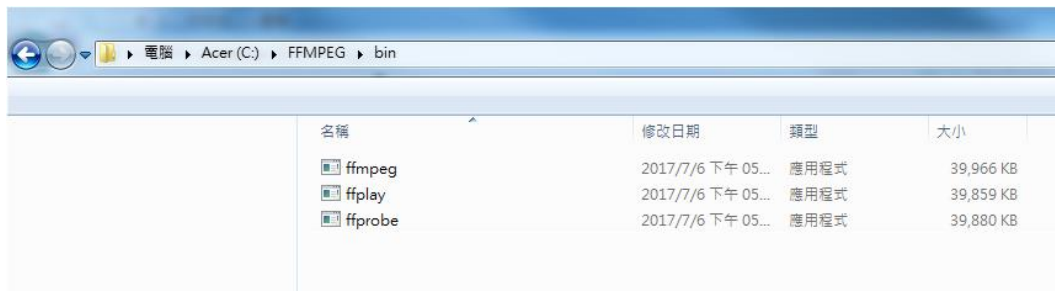


How to get audio data from camera to PC using FFMPEG

FFMPEG is a tool that can allow you to get video streams from the camera and manage them (<https://ffmpeg.org/>). In this guide we will teach you how to export audio only from your camera's RTSP stream. Please follow the next steps:

1. Download FFMPEG tool from the following link:
<ftp://fae:fae@ftp.vivotek.com/Tool/FFMPEG.zip>
2. Extract the files contained in the .zip folder in your preferred location (e.g C:/)



3. Open the windows console (cmd.exe) and go to the folder in where you exported the files using the following command:

```
Microsoft Windows
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:/Users> cd <Folder Path>/bin
```

4. Use the following command to retrieve the video stream from the camera and extract the audio from it:

```
ffmpeg -i rtsp://<IP Cam>/live.sdp -acodec libmp3lame -ac 2 -ab 160
C:\<destination>\file.mp3
```

Where,

-i rtsp://<IP CAM>/live.sdp	is the camera video stream (audio + video)
-acodec libmp3lame	audio library
-ac	is audio channel (stream dependent)
-ab	is audio bitrate (can be modified)
C:\<destination>\file.mp3	record path
file.mp3	file name

Please note that in this example we extracted audio from channel 2 but you can change it to your required channel (all camera channels use the same audio, so it should not affect). The audio bit rate was set to 160 bits (usually enough for

audio extraction) but you can change it depending on your requirement. Additionally, if the camera has a user/password configured you will need to add it to the RTSP line as follows:

```
rtsp://user:password@<IP Cam>/live.sdp
```

5. Stop the recording by pressing "CTRL C", then go to the recording path and check your audio recording.

Please note that you need to enable audio in the camera in order to record it.

The screenshot shows the Vivotek web interface with the 'Configuration' tab selected. The left sidebar contains a menu with 'System', 'Media', 'Network', 'Security', 'PTZ', and 'Event'. Under 'Media', 'Image', 'Video', and 'Audio' are listed. The 'Audio' section is currently active. The main content area is titled 'Media > Audio' and contains the 'Audio settings' form. In this form, the 'Mute' checkbox is checked and highlighted with a red box. Other settings include 'Microphone source' set to 'Internal', 'Internal microphone input gain' at 65%, 'External microphone input gain' at 65%, and 'Audio type' set to 'AAC bit rate' with a value of '16 Kbps'. There are also options for 'G.711' (set to 'pcmu') and 'G.726 bit rate' (set to '32 Kbps'). A 'Save' button is located at the bottom right of the form.