

FFmpeg

FFmpeg RTSP- :

1. :

a. .

netstat -ano | findstr :<>

10000.

b. 1 channel device IP- :

```
listenrtsp://<IP- C>:<>
```

IP-адрес	Порт	Производитель
<input type="text" value="listenrtsp://10.0.11.23:5"/>	<input type="text" value="80"/>	<input type="text" value="FFMPEG"/>
Тип устройства	Модель	
<input type="text" value="IP-устройство"/>	<input type="text" value="1 channel device"/>	

RTSP- .

```
listenrtsp://<IP- C>:<>/<RTSP->
```

:

```
listenrtsp://127.0.0.1:1554/live1.sdp
```

127.0.0.1 – IP- ;
1554 – RTSP-, . 1;
live1.sdp – RTSP-.

2. :

- FFmpeg .
- ffmpeg.exe.
- :

```
ffmpeg.exe -f gdigrab -video_size 640x480 -i desktop -c:v <> -f rtsp -muxdelay 0.1  
"listenrtsp://<IP- C>:<>/<RTSP->"
```

- mpeg2video, mpeg4, h264, hevc;
- -video_size 640x480 -muxdelay 0.1 .
- :

-draw_mouse <int>	. 0 1, 1
-show_region <int>	. 0 1, 1
-framerate <video_rate>	()

-video_size <image_size>	()
-muxdelay <int>	- ()
-offset_x <int>	() 0
-offset_y <int>	Y () 0



-
- , offset_x,
- , offset_y,

- , , :

```
ffmpeg.exe -f gdigrab -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

-video_size , .

- , :

```
ffmpeg.exe -f gdigrab -offset_x 0 -offset_y 0 -video_size 1920x1080 -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

-pix_fmt , . :

```
-pix_fmt yuv420p
```

:

```
ffmpeg.exe -f gdigrab -offset_x 1920 -offset_y 0 -video_size 1920x1080 -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

-offset_x 1920 1920, .
-offset_x -offset_x 3840,. 3840, .



-offset_x , , .

- , :

```
ffmpeg.exe -f gdigrab -offset_x 0 -offset_y 0 -video_size 3840x1080 -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

-video_size 3840x1080 .
 :

```
ffmpeg.exe -f gdigrab -offset_x 1920 -offset_y 0 -video_size 3840x1080 -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

-offset_x 1920 ;
-video_size 3840x1080 .

- NVIDIA FFmpeg.
:

```
ffmpeg.exe -f gdigrab -i desktop -c:v <> -f rtsp -muxdelay 0.1 "listenrtsp://<IP- C>:<>/<RTSP->"
```

h264_nvenc (H264), hevc_nvenc (H265).



Intel h264_qsv hevc_qsv, AMD h264_amf hevc_amf.

,c NVENC h.264, 4096x4096 . , NVENC h.265, 8192x8192 .
, NVENC h.264 1920x1080 .