Intro to DeepStream
NVIDIA JETSON

1

Content

- **Review DeepStream pipeline**

- **Introduction to RTSP**

- **Introduction to ONVIF**

- **RTSP Structure**

- **DeepStream-app config file RTSP example**

RTSP Structure

Connection string example

rtsp://USERNAME:PASSWORD@192.168.1.5/cam/realmonitor?

RTSP Structure

Connection string example

rtsp://USERNAME:PASSWORD@192.168.1.5/cam/realmonitor?

Protocol

RTSP Structure

Connection string example

rtsp://USERNAME:PASSWORD@192.168.1.5/cam/realmonitor?

Protocol

Camera/
DVR/NVR
Username

Camera/
DVR/NVR
Password

RTSP Structure

Connection string example

rtsp://USERNAME:PASSWORD@192.168.1.5/cam/realmonitor?

Protocol

Camera/ DVR/NVR Username

Camera/ DVR/NVR Password

Camera/ DVR/NVR IP

RTSP Structure

Connection string example

rtsp://USERNAME:PASSWORD@192.168.1.5/cam/realmonitor?

Protocol   Camera/ DVR/NVR Username   Camera/ DVR/NVR Password   Camera/ DVR/NVR IP   Default real-time stream

RTSP Structure

Connection string example: additional commands

rtsp://USERNAME**:**PASSWORD**@**192.168.1.5**/**cam/realmonitor**?channel=1&subtype=0**

Camera
number
(DVR/NVR)

Stream
quality
(HD/SD)

RTSP Structure

Common alternatives

- rtsp://admin:12345@192.168.1.210:554/cam/realmonitor?channel=1&subtype=1

- rtsp://admin:12345@192.168.1.210/unicast/c2/s2/live

- rtsp://admin:12345@192.168.1.210/media/video2

- rtsp://admin:12345@192.168.1.210:554/Streaming/Channels/101

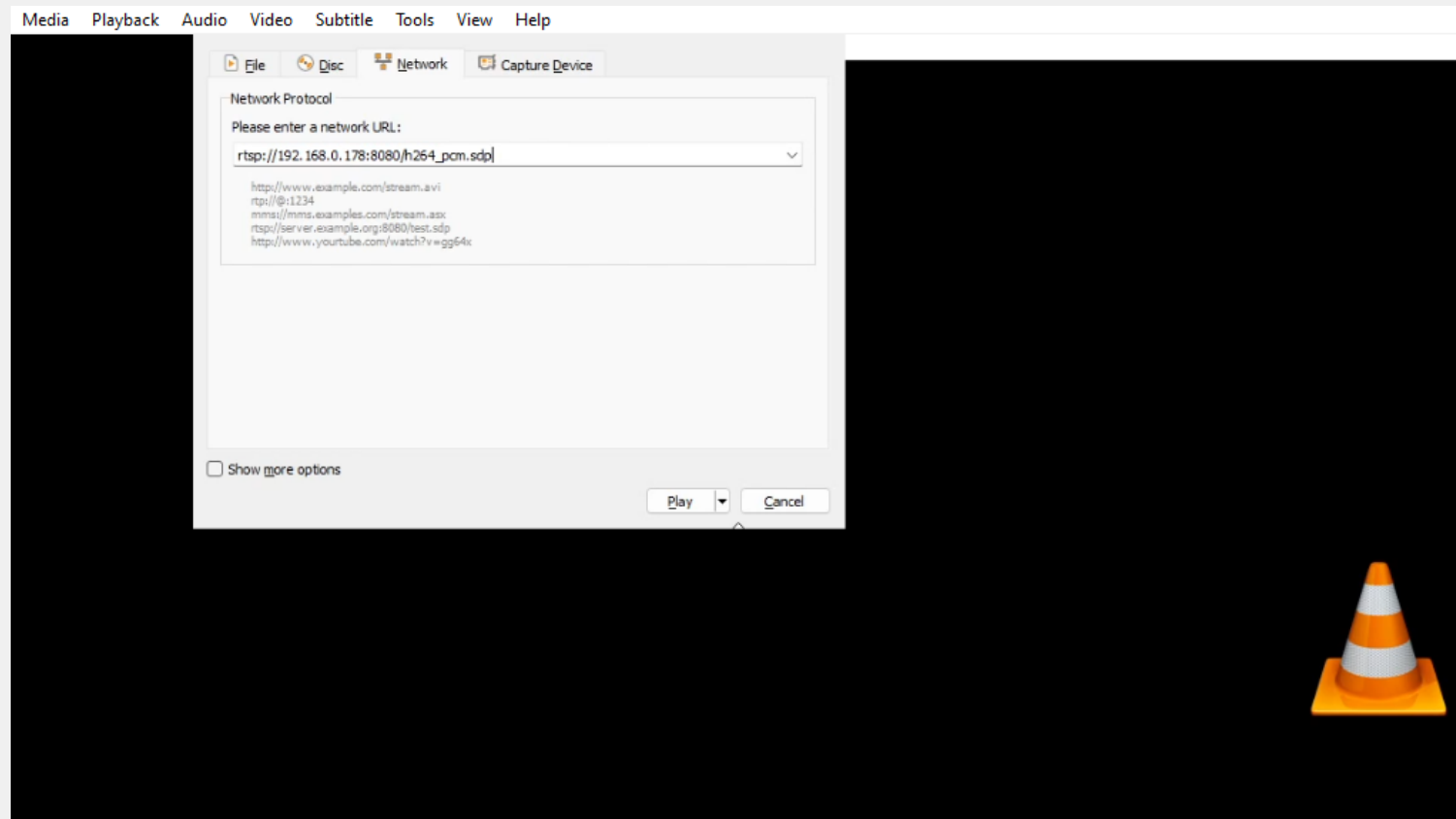- rtsp://192.168.1.210:554/Streaming/Channels/101

DeepStream-app

config_infer_primary.txt

```
 6    [source1]
 7    enable=1
 8    type=4
 9    uri=rtsp://admin:12345@192.168.1.210:554/cam/realmonitor?channel=1&subtype=1
10
11    [source2]
12    enable=1
13    type=4
14    uri=rtsp://admin:12345@192.168.1.210:554/cam/realmonitor?channel=2&subtype=1
```

DeepStream-app

Tip: first test RTSP stream with VLC

Thank You