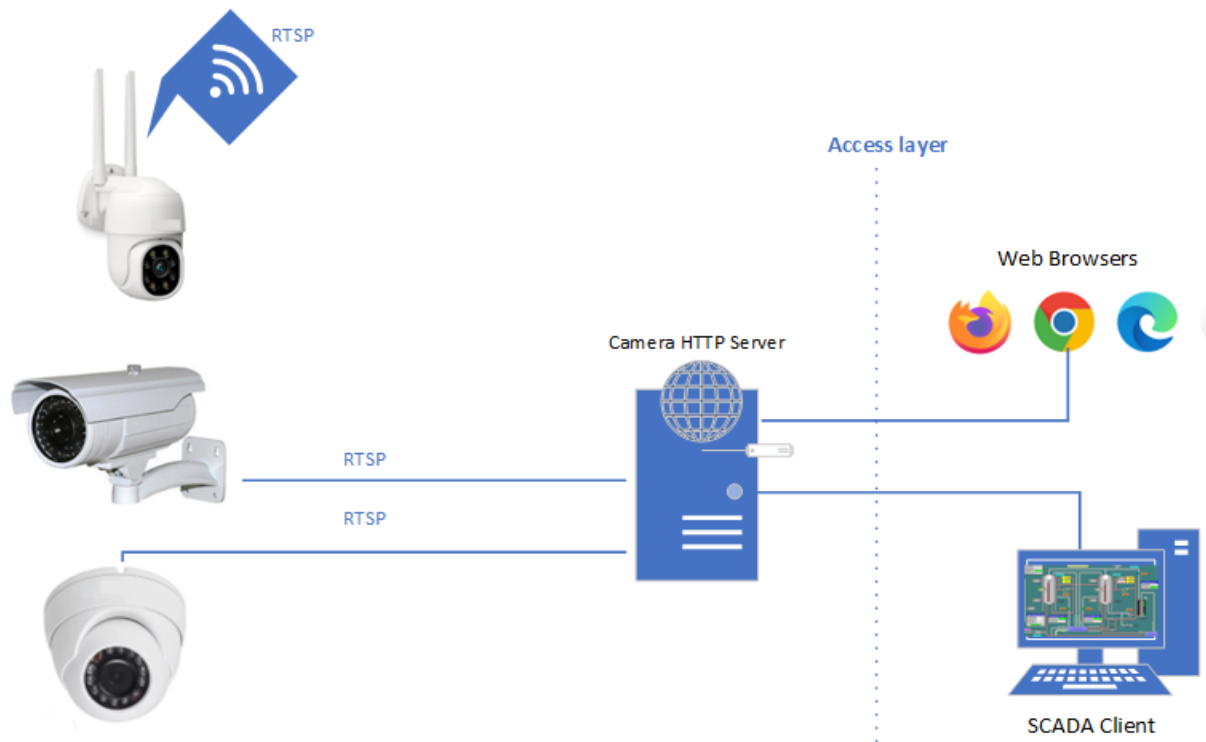


Camera HTTP server

Camera HTTP Server is a software which enable the interface the camera with RTSP protocol through HTTP protocol which can be accessed via web browser inside SCADA application.



System Requirements

Operating System Requirements:

- Windows Server 2019
- Windows Server 2022
- Windows 10
- Windows 11

The software will need .NET 8.0 Desktop Runtime (v8.0.8) x64 to be installed and can be downloaded from the following link:

<https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-desktop-8.0.8-windows-x64-installer?cid=getdotnetcore>

Application Overview

Inputs URL and HTTP port for the application

Cameras and HTTP status

Camera HTTP Server

About

RTSP Camera URL: HTTP Port:

Total Cameras: 3 Running Cameras: 3 Stopped Cameras: 0 Error Cameras: 0

	Id	Camera URL	Output HTTP Port	HTTP Status	Camera Last Status
	1	rtsp://192.168.0.25:8554/live.sdp	8000	Running	Running
	5	rtsp://192.168.0.27:8554/live.sdp	9000	Running	Running
	8	rtsp://192.168.0.25:8554/live.sdp	9020	Running	Running
**					

Control Area:

- Add Camera Uri
- Delete Camera URL
- Start HTTP
- Stop HTTP
- Start All HTTP
- Stop All HTTP

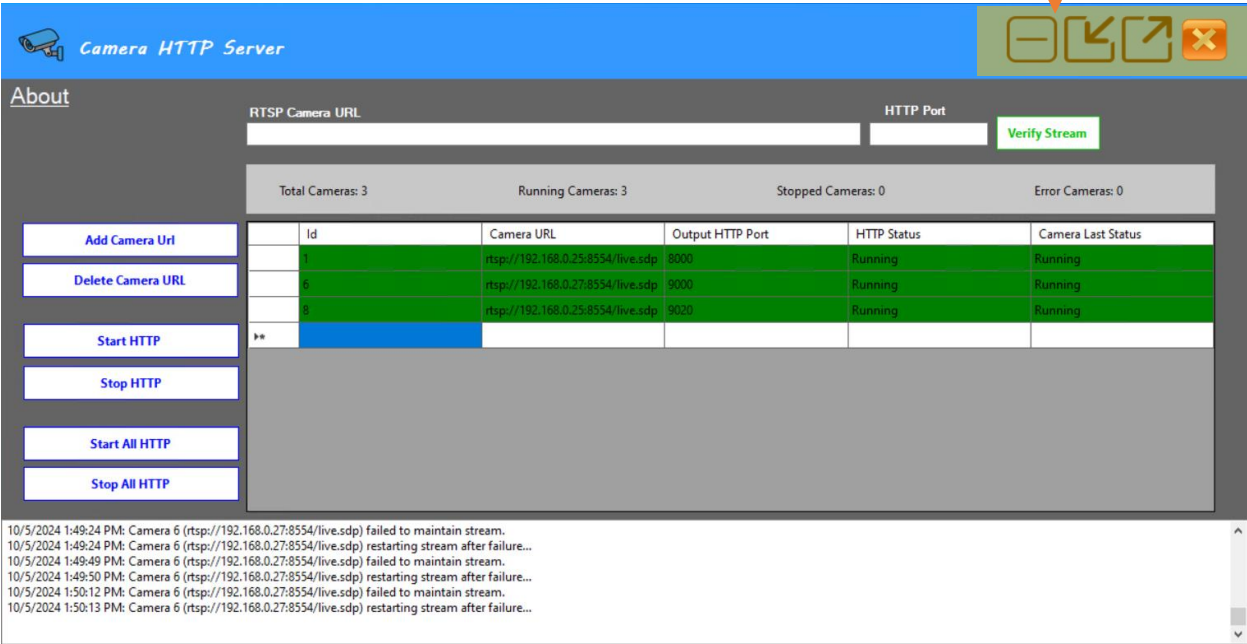
Logs Area:

- 10/5/2024 1:49:24 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
- 10/5/2024 1:49:24 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
- 10/5/2024 1:49:49 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
- 10/5/2024 1:49:50 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
- 10/5/2024 1:50:12 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
- 10/5/2024 1:50:13 PM Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...

Control Area

Logs Area

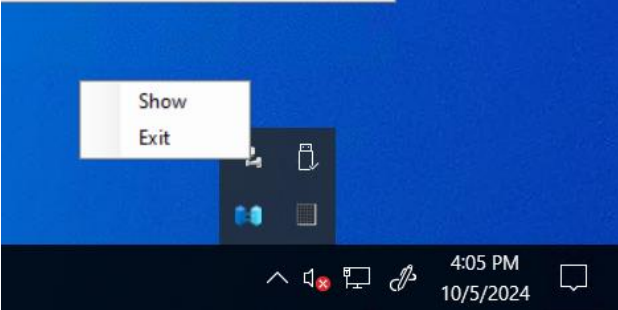
Minimize -Normal-Maximize -Close window.



When the window closed the application will be minimized in the notification menu



By write click on it , you can close the program or to open the window



Quick Start up

Step 1: Add RTSP camera URL

Camera HTTP Server

About

RTSP Camera URL: HTTP Port:

Total Cameras: 3 Running Cameras: 3 Stopped Cameras: 0 Error Cameras: 0

	Id	Camera URL	Output HTTP Port	HTTP Status	Camera Last Status
<input type="button" value="Add Camera Url"/>	1	rtsp://192.168.0.25:8554/live.sdp	3000	Running	Running
<input type="button" value="Delete Camera URL"/>	6	rtsp://192.168.0.27:8554/live.sdp	9000	Running	Running
	8	rtsp://192.168.0.26:8554/live.sdp	9020	Running	Running
<input type="button" value="Start HTTP"/>	*				
<input type="button" value="Stop HTTP"/>					
<input type="button" value="Start All HTTP"/>					
<input type="button" value="Stop All HTTP"/>					

10/5/2024 1:50:38 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:50:39 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...

Step 2: Verify the stream from "Verify Stream" Button if the camera is connected to the HTTP server

Camera HTTP Server

About

RTSP Camera URL: HTTP Port:

Total Cameras: 3 Running Cameras: 3 Stopped Cameras: 0 Error Cameras: 0

	Id	Camera URL	Output HTTP Port	HTTP Status	Camera Last Status
<input type="button" value="Add Camera Url"/>	1	rtsp://192.168.0.25:8554/live.sdp	3000	Running	Running
<input type="button" value="Delete Camera URL"/>	6	rtsp://192.168.0.27:8554/live.sdp	9000	Running	Running
	8	rtsp://192.168.0.26:8554/live.sdp	9020	Running	Running
<input type="button" value="Start HTTP"/>	*				
<input type="button" value="Stop HTTP"/>					
<input type="button" value="Start All HTTP"/>					
<input type="button" value="Stop All HTTP"/>					

10/5/2024 1:50:38 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:50:39 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...

Step 3: Add the port for HTTP which will be used to access the videos through web or SCADA client application.

Camera HTTP Server

About

RTSP Camera URL: HTTP Port:

Total Cameras: 3 Running Cameras: 3 Stopped Cameras: 0 Error Cameras: 0

	Id	Camera URL	Output HTTP Port	HTTP Status	Camera Last Status
<input type="checkbox"/>	1	rtsp://192.168.0.25:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	6	rtsp://192.168.0.27:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	8	rtsp://192.168.0.25:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	*				

10/5/2024 1:50:38 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:50:39 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
 10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
 10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...

Step4 :select the camera URL row and start the streaming.

Camera HTTP Server

About

RTSP Camera URL: HTTP Port:

Total Cameras: 3 Running Cameras: 3 Stopped Cameras: 0 Error Cameras: 0

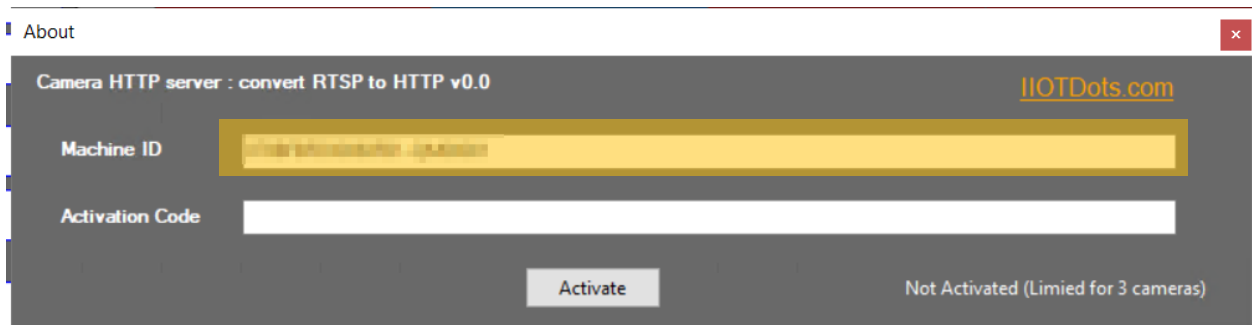
	Id	Camera URL	Output HTTP Port	HTTP Status	Camera Last Status
<input checked="" type="checkbox"/>	1	rtsp://192.168.0.25:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	6	rtsp://192.168.0.27:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	8	rtsp://192.168.0.25:8554/live.sdp	9000	Running	Running
<input type="checkbox"/>	*				

10/5/2024 1:50:38 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:50:39 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
 10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:51:04 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...
 10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) failed to maintain stream.
 10/5/2024 1:51:26 PM: Camera 6 (rtsp://192.168.0.27:8554/live.sdp) restarting stream after failure...

Program Activation

To able to have more than 3 cameras , you will need to activate the program, by sending the machine ID to:

sales@IIOTdots.com



After getting the activation code , you can add it and activate the program

