

ITrac Software - XProtect Plugin

Prerequisites:

- Milestone XProtect 2020 R3 corporate installed on the windows machine.
- A running ITrac software on the same network.
- At least one camera connected to the network.

ITrac Software Background:

ITrac is COM-IoT software, developed for Perimeter Protection, People Counting and many other features. ITrac relies on LiDAR streams and uses cameras to provide visual feedback and analytics such as intruder tracking and detection. ITrac comes with a plug-in integration into Milestone XProtect.

ITrac is built for optimum use of LiDAR pointclouds, that provides real-time info about the surroundings in 360°, which is then used for tasks like

1. Human Detection
2. Human Tracking
3. People Counting

ITrac uses LiDAR zones to set the main areas or gates to monitor. For Perimeter Protection, it uses 4 zone types:

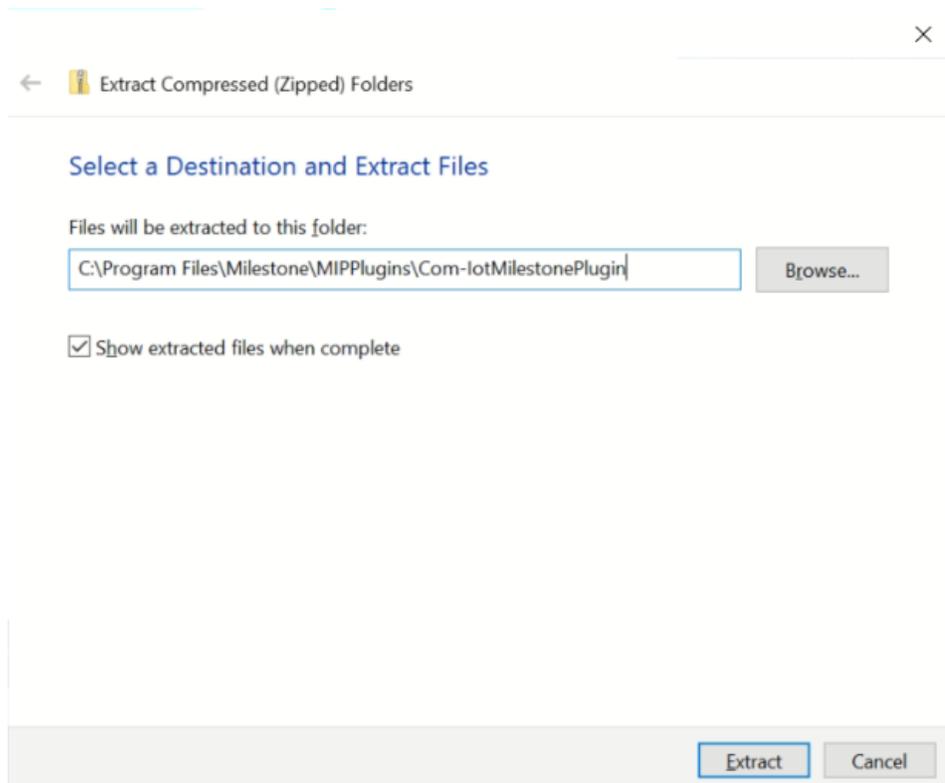
1. Alert Zone: Sends alerts when any one enters this zone and also captures a video for this person using a PTZ camera controlled through ONVIF protocol.
2. Counting Zone: Counts the number of people inside the zone.
3. Counting Line: This Zone represents a gate it counts the people entering and exiting the gate.
4. Alert gate: This gate triggers an alert and captures a video for a person passing through it using a PTZ camera controlled through ONVIF protocol.

ITrac plugin setup steps:

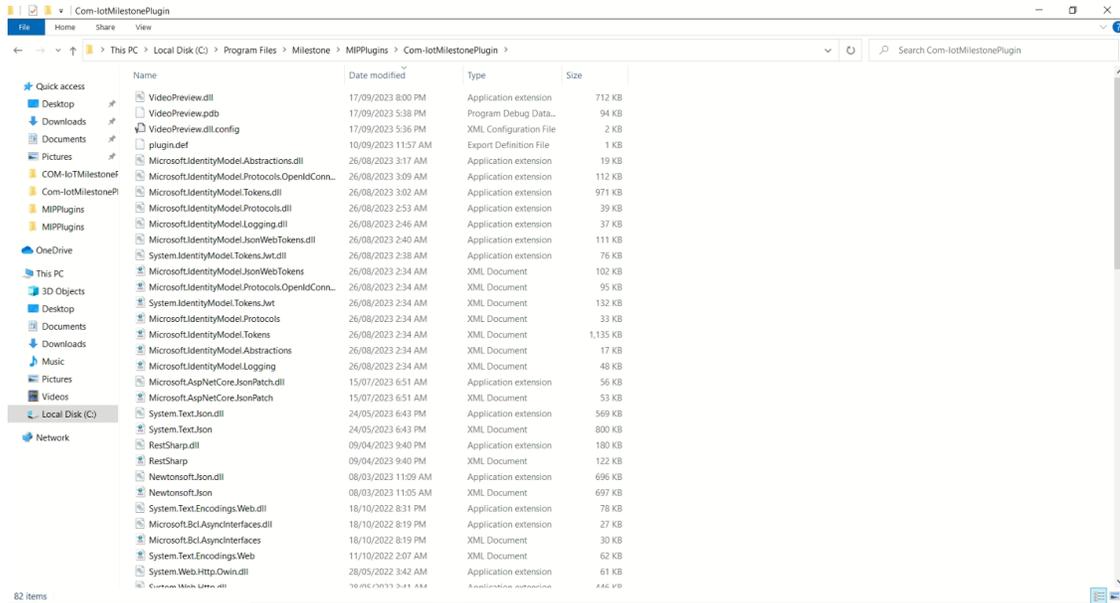
1. Download ITrac plugin from the following link:

[ITrac-XProtect Plugin](#)

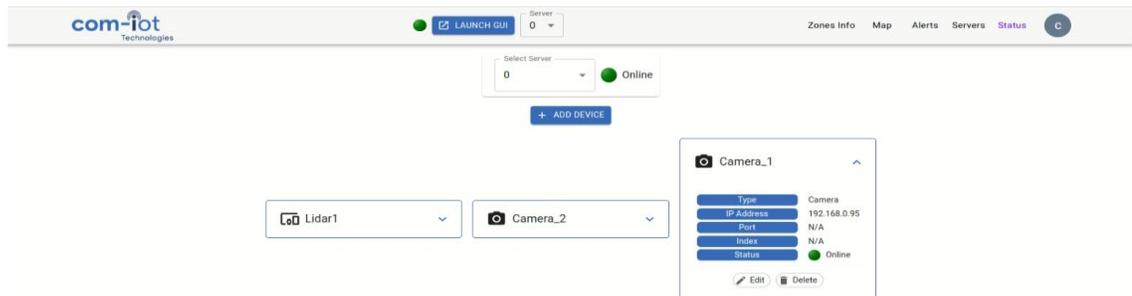
2. Extract the plugin zip file in MIPPlugins which is in Milestone folder.



3. After Extracting the files, you will find the following in the folder.



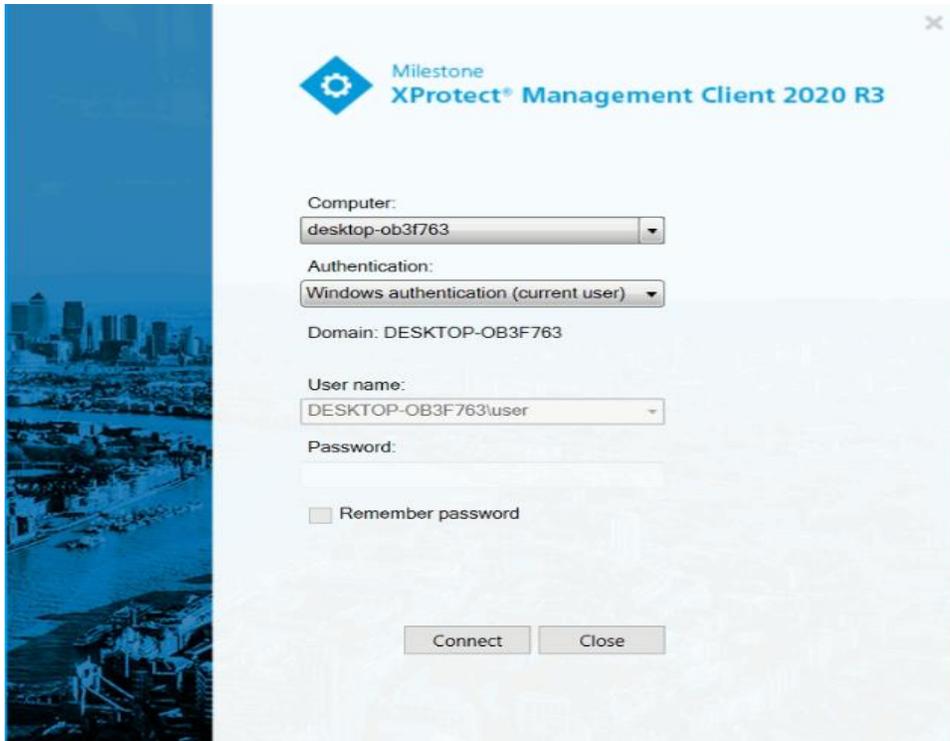
4. Make sure that the cameras are connected to ITrac software before proceeding.



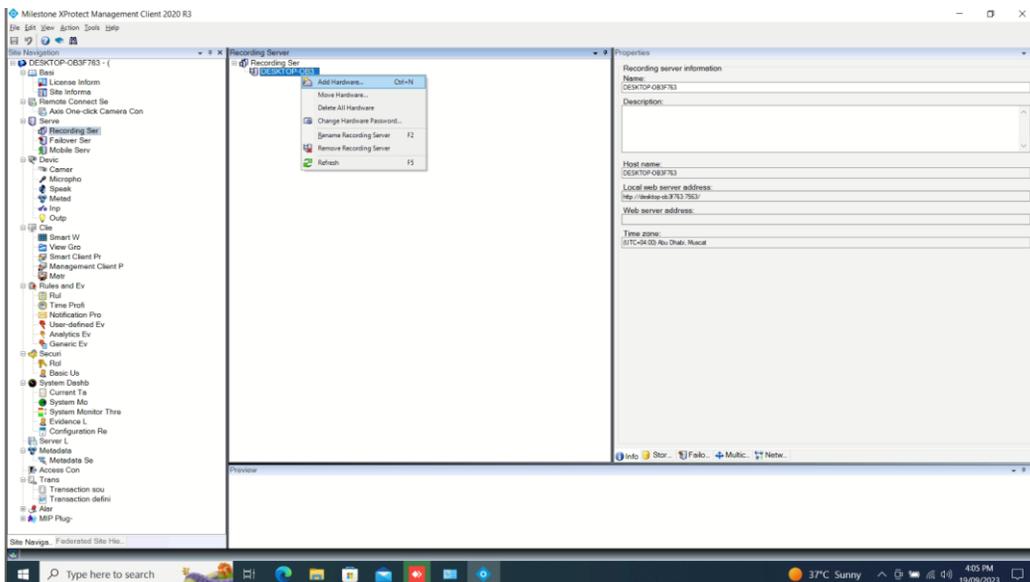
5. Open XProtect Management Client.



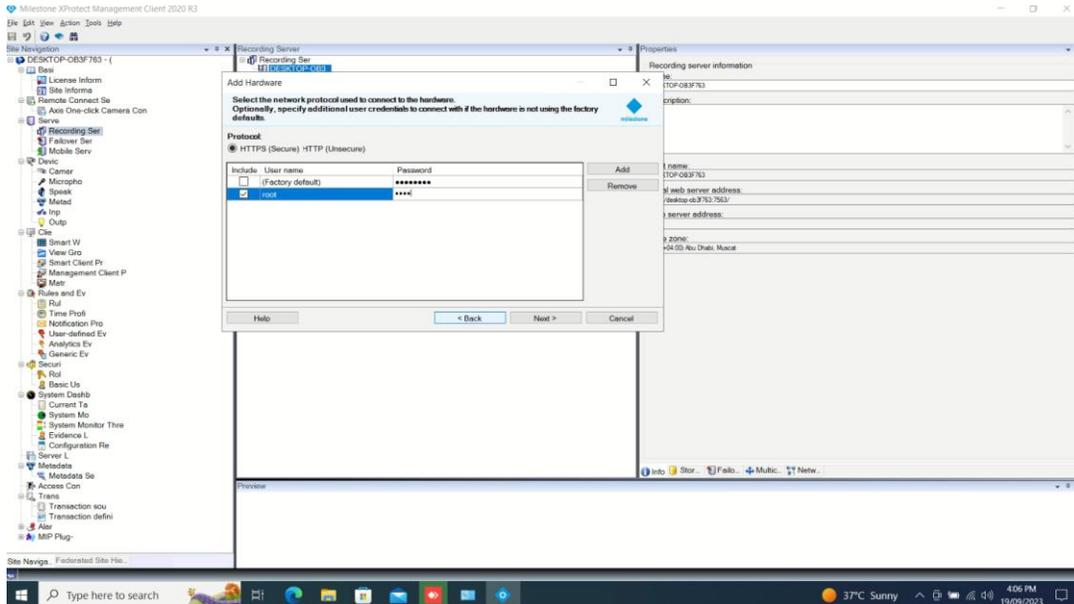
6. Connect using your credentials whether it is a windows authentication or a basic user that was created for you.



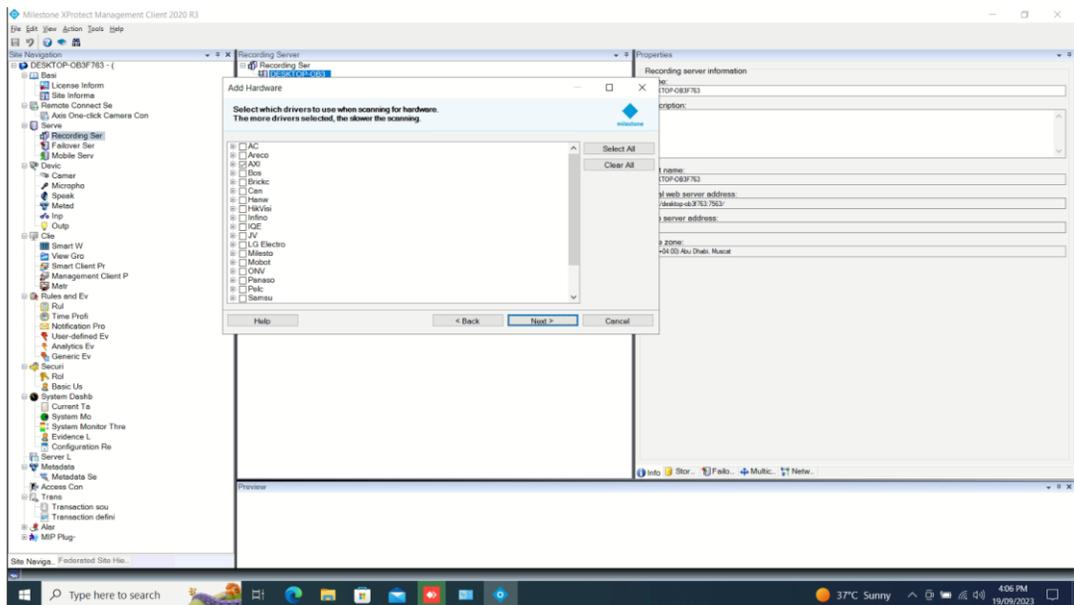
7. Click on the Recording Server and add new hardware.



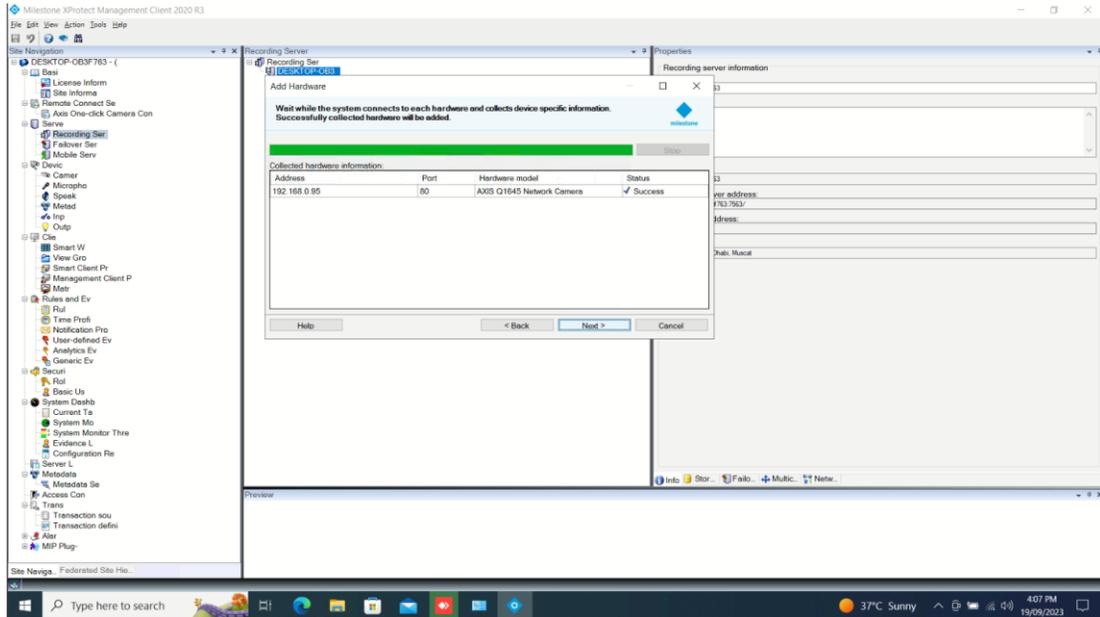
8. Click on manual option and enter username and password of the camera.



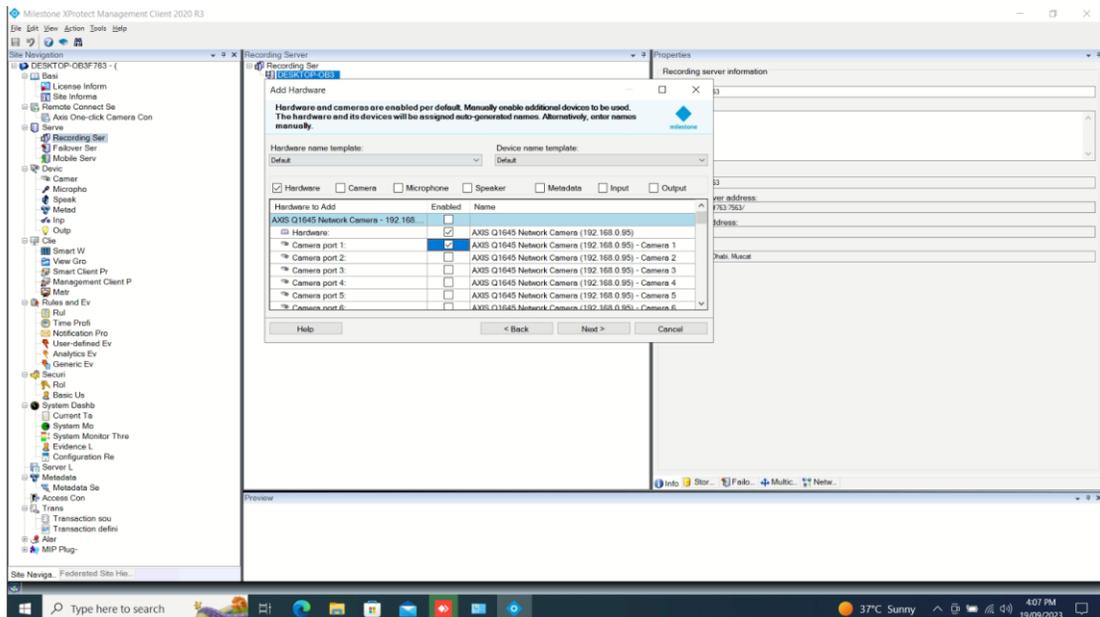
9. Select the drivers of the camera model.



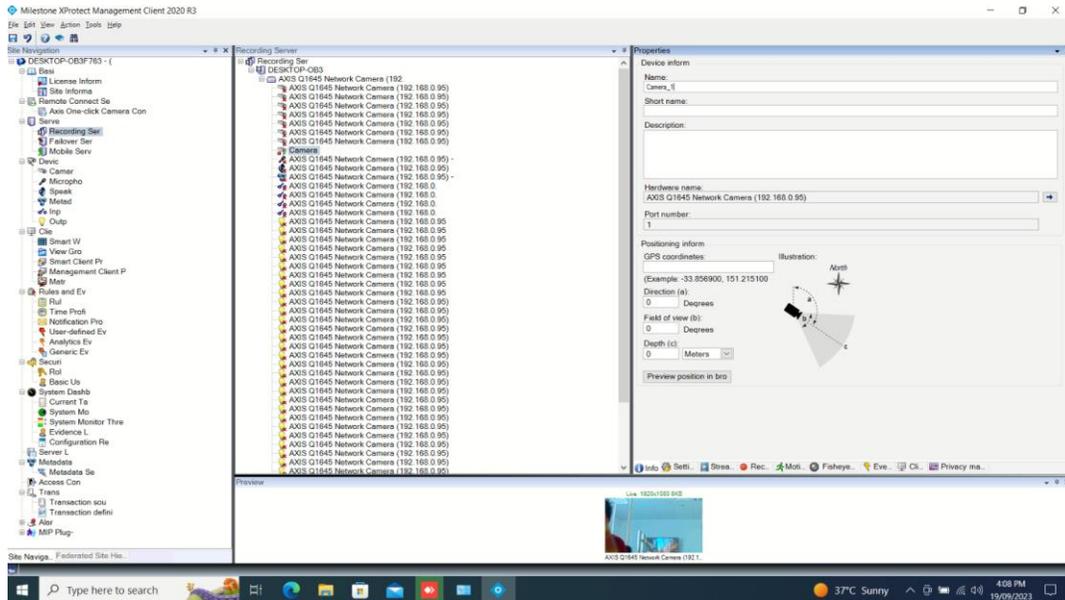
10. Enter the IP Address and click on next.



11. Check the working camera ports and click on next.



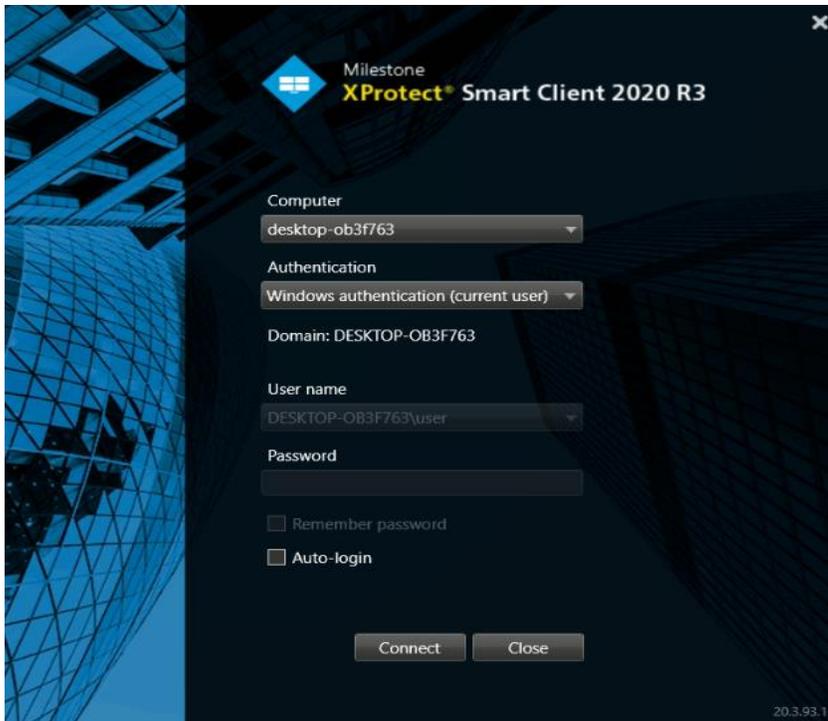
12. After successful creation, rename the camera to the **same** name on ITrac.



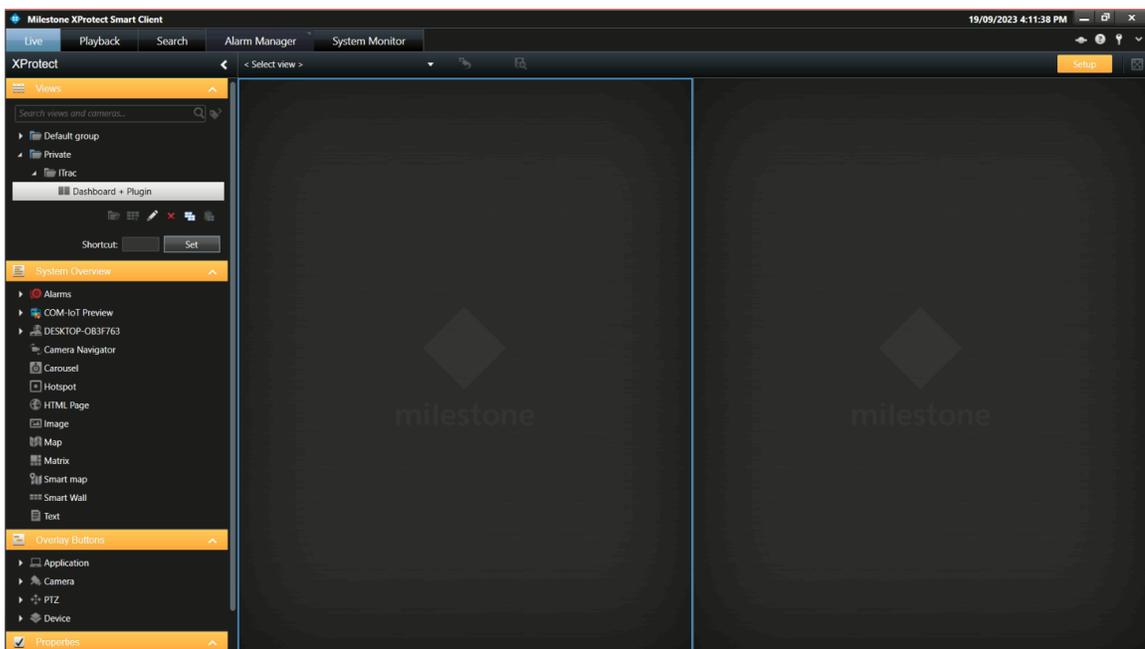
13. Open XProtect Smart Client as an admin (to be able to configure the plugin and save the configurations).



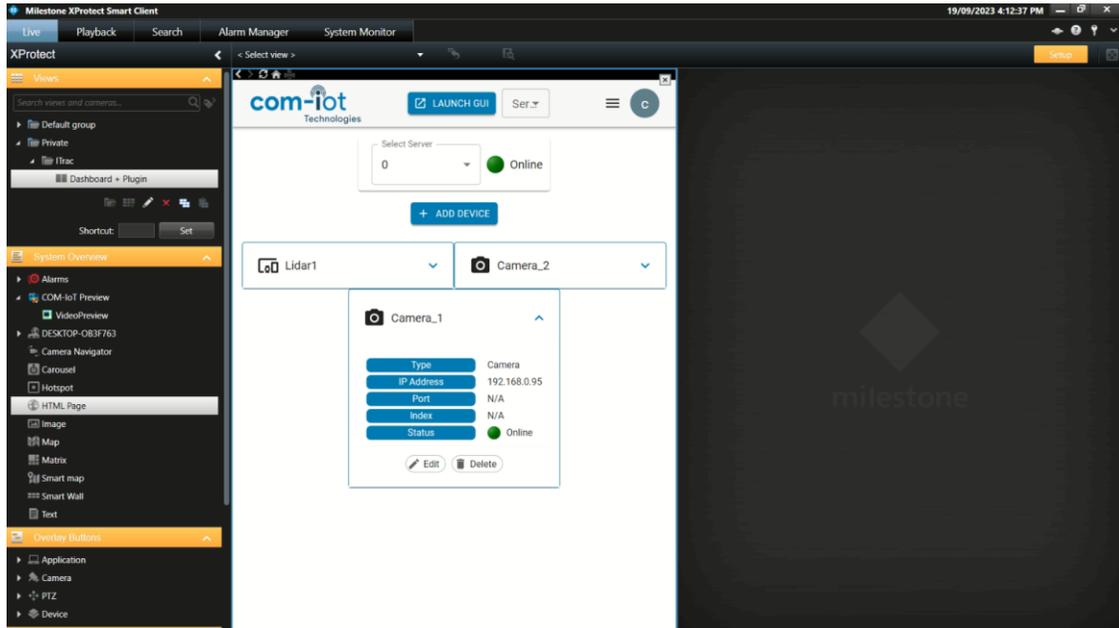
14. Connect using your credentials whether it is a windows authentication or a basic user that was created for you.



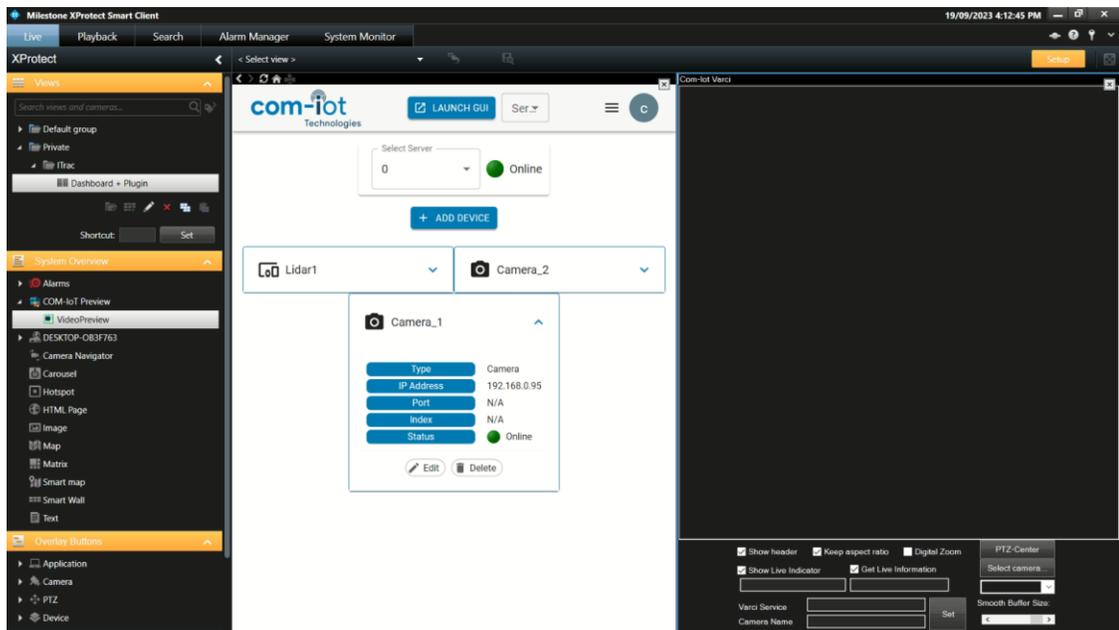
15. Click on setup on the top right corner and create a new folder with a view in it.



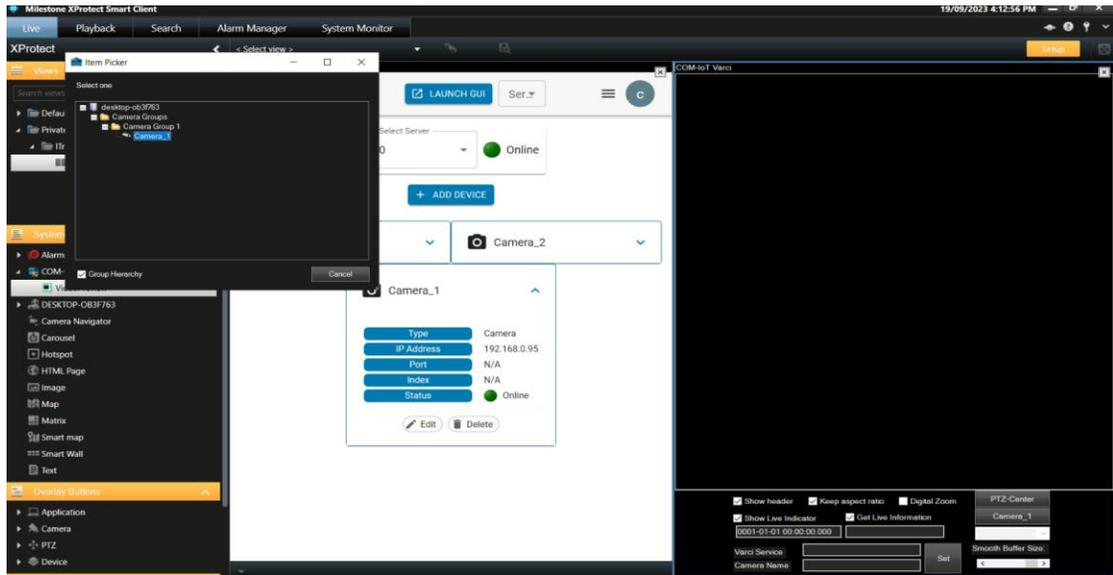
16. Add an HTML page to the first tab with ITrac dashboard link.



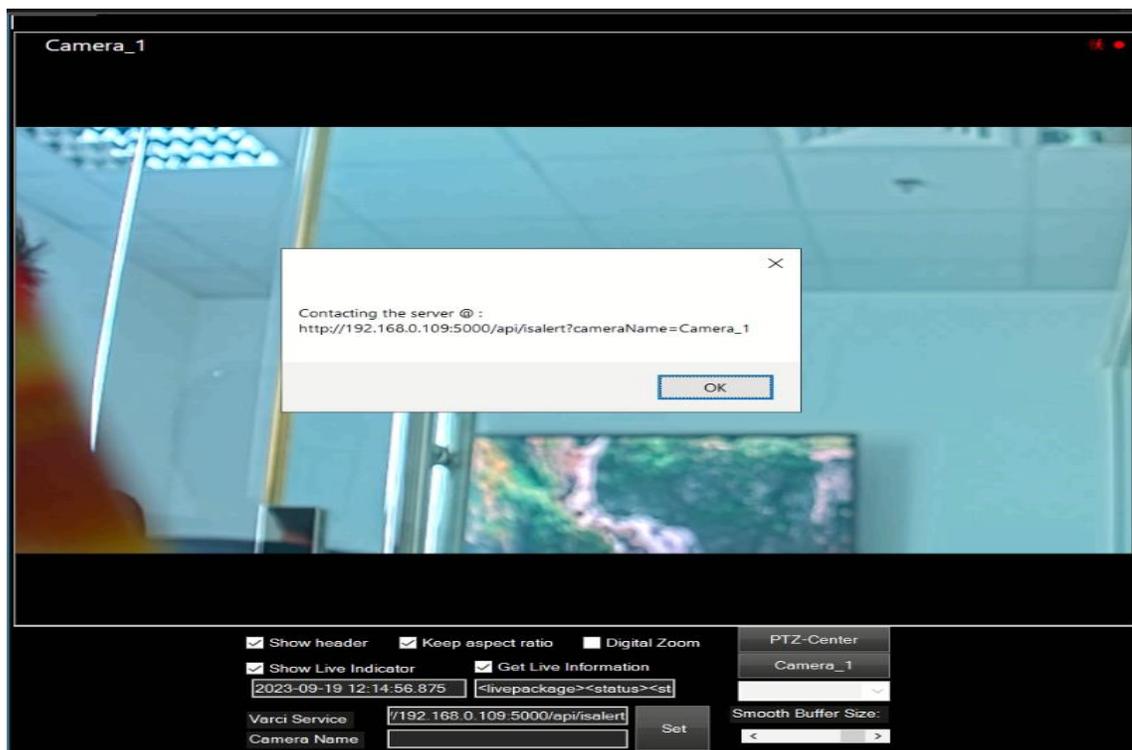
17. Drag and drop the video preview plugin on the left to the second tab.



18. Click on select camera and choose the camera you want to view.



19. Enter ITrac Service URL with the IP address on which ITrac is running which will be something like that <http://<IP Address ITrac>:5000/api/isalert> then click on Set.



20. Now all the configurations are set. The plugin tab should turn red for a few seconds if any alert is triggered on the camera and the operator can control the zoom and the ability to move the camera in case it is a PTZ camera.

