

Technical Bulletin

Adding a Reolink IP Camera to AutoPilot®, Climate Guard or Plus-X EM

Scope

This document explains how to add a Reolink IP camera to AutoPilot Custom Views or to the web interface for the Climate Guard and Plus-X EM environmental monitors.

Camera Recommendations

Reolink IP cameras support Real Time Streaming Protocol (RTSP) for real-time video streaming. It is also possible to grab snapshots from the cameras at a regular rate for a lower bit-rate display of the video. AutoPilot Custom Views can display either RTSP video streams or regularly updated snapshots. Climate Guard and Plus-X EM environmental monitors utilize the snapshot method for displaying and updating the camera images.

Reolink camera models RLC-510A and RLC-410 work well using the following camera settings.

AutoPilot Configuration

Web Picture

If high data / bandwidth usage is a concern, you can use the AutoPilot Web Picture object to take a snapshot and control the refresh rate of the camera image. You can use the following settings to configure a Custom View Web Picture object.

- In AutoPilot, use the Custom View Editor to create a new custom view or edit an existing custom view.
- Select the Web Picture object and drag it onto the canvas.
- Enter this complete URL in the URL property of the web picture control:
<http://10.10.0.99/cgi-bin/api.cgi?cmd=Snap&channel=0&rs=w&user=admin&password=password>
- Replace the IP address, user and password in the URL with those appropriate for your camera.
- The default setting for Refresh Rate is 60 seconds, however this can be changed to a desired rate.

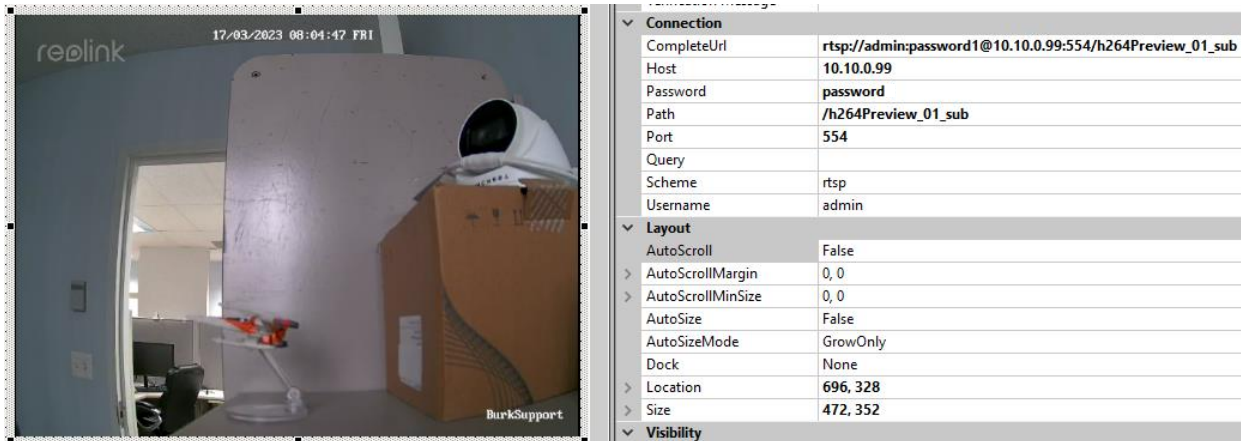


Picture	
Password	
Refresh Rate (sec)	2
Show Update Time	False
URL	http://10.10.0.99/cgi-bin/api.cgi?cmd=Snap&channel=0&rs=w&user=admin&password=password
Username	
Visibility	
Channel Adaptor	
Visibility	Always

Video

If data or bandwidth usage is less of a concern, you can use the AutoPilot Video object to display real-time camera video. The following settings are suggested for the Custom View Video object.

- In AutoPilot, use the Custom View Editor to create a new custom view or edit an existing custom view.
- Select the Video object and drag it onto the canvas.
- Enter the following URL in the CompleteURL property of the Video object:
rtsp://admin:password@10.10.0.99:554/h264Preview_01_sub
- Replace the IP address, user and password in the CompleteURL with those appropriate for your camera.



- The Video properties Host, Password, Path, Port and Username will fill in automatically when you hit “enter” or click on a different property after typing in the CompleteURL.

Climate Guard and Plus-X EM Configuration

- In Climate Guard, Climate Guard LT, Plus-X EM64 or Plus-X EM32, select the Cameras page of the web user interface.
- Select Add new camera...
- Enter the following settings in the Add New Camera dialog box:
 - **Camera name:** A descriptive name for the camera
 - **IP Address / Hostname:** IP address of the Reolink camera.
 - **Port:** Default port is 80, if this was changed on the camera to something else be sure to change it here as well.
 - **Camera Type:** Other
 - **Image Path:** cgi-bin/api.cgi?cmd=Snap&channel=0&rs=w&user=admin&password=password
 - **User name and Password:** These should be left blank. The user name and password are embedded in the Image Path above. Replace the user and password in the Image Path with those appropriate for your camera.
 - **Refresh Rate:** The default is 2 seconds, however this can be changed a desired rate.
 - **Show on Overview:** Check this to show the camera image on the home page of the Climate Guard or Plus-X EM environmental monitors.

The image shows a 'Camera Settings' dialog box with the following fields and values:

- Camera name: ReoLink 510A
- IP Address / Hostname: 10.10.0.99
- Port: 80
- Camera Type: Other
- Image path: cgi-bin/api.cgi?cmd=Snap&c
- User name:
- Password:
- Refresh rate (sec): 2
- Show on Overview:

At the bottom right, there are 'Save' and 'Cancel' buttons.

- Click save on the Camera Settings dialog box.
- Select Overview and you will see the camera image on the home screen of the Climate Guard or EM interface.


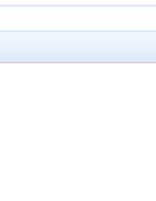
BURK
Plus-X EM32

Location:
 User: admin
 Date: 3/17/2023
 Time: 12:09 PM

Overview
Sensors
Cameras
Alerts
History
Setup
Log Off

Overview

Sensors

Sensor	Value	Last Hour
Light	6.9 %	
Sound	-48.2 dBFS	
Internal Temperature	77.4 °F	

Temperature Chart




Internal Temperature

Alerts

No alerts.

Cameras

ReoLink 420



We are committed to providing you with the best possible service and support for your Burk Technology product. If you should have any concerns or questions, please call us at 978-486-3711.

Thank you,

Burk Technology Technical Support Team
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