



# UniFi NVR Driver

# Installation and Usage Guide

Updated: July 30, 2017

## Table of Contents

<b>Overview.....</b>	<b>3</b>
<b>Features .....</b>	<b>3</b>
<b>Change Log.....</b>	<b>3</b>
<b>NVR Configuration.....</b>	<b>3</b>
<b>Enable API Access.....</b>	<b>3</b>
<b>Find RTSP URL (RTSPRUI field in driver) .....</b>	<b>5</b>
<b>Get the Camera ID (ID Field in driver) .....</b>	<b>5</b>
<b>Adding the driver to your project .....</b>	<b>5</b>
<b>FAQ.....</b>	<b>6</b>

## Overview

This driver allows you to integrate UniFi's NVR into the Control4 Navigators. The driver allows viewing of video only

This table lists the Control4 interfaces that are supported by this driver

Control4 Interface	UniFI NVR Camera
Flash Navigator HC Controllers, MyPC App, non-T3 Touchscreens	
Android Navigator EA Controllers & T3 Touchscreens	<input checked="" type="checkbox"/>
Mobile Apps Android & iOS	<input checked="" type="checkbox"/>

## Features

- Allows viewing of UniFi NVR Cameras on the Control4 Navigator

## Change Log

02/04/17 – 1.0.1

- Initial Release

07/29/17 – 2.0.0

- Support for BlackWire Designs Licensing

## NVR Configuration

Note: must be on UniFi Video NVR firmware 3.2 or later.

### Enable API Access

1. Log into the NVR and go to the User section
2. Enable API usage for a user and copy the API Key

**UniFi VIDEO**

**ADMIN**

**CAMERAS** **MAP** **LIVE VIEW** **TIMELINE** **RECORDINGS**

**ALERTS** **USERS** **SETTINGS**

**NAME** **USERNAME**

**websitesnap**

Full Name: **Website Snapshot**  
Usergroup: **WebsiteSnapshot**

Last Logged In: **2016/05/21 19:26:10**  
Last IP Address:

**ACCOUNT** **API ACCESS** **DELETE**

Allow API Usage **ON**

API Key **grwkNQ1zP4tIsT0** **NEW API KEY**

**SAVE**

## Find RTSP URL (RTSPRUI field in driver)

1. Login to the NVR
2. Select a camera
3. Enable RTSP Services

The screenshot shows the Unifi NVR interface. On the left, there's a sidebar with options like CAMERAS, MAP, LIVE VIEW, TIMELINE, RECORDINGS, ALERTS, USERS, and SETTINGS. The main area displays a list of cameras under the heading 'CAMERAS'. A camera named 'FloatDock' is selected, highlighted with a blue border. To the right of the camera list is a detailed configuration panel for 'FloatDock'. It shows the IP Address (192.168.1.10), MAC Address (00:0C:29:5C:68:70), Firmware (v3.2.0), Model Name (UVC Pro), and Status (Connected). Below this, there are tabs for VIDEO, RECORDING, STATS, and MANAGE. Under the VIDEO tab, there are sections for Resolution (set to HIGH (1920 X 1080)), On Screen Display (disabled), and RTSP Service. The RTSP Service section has two checkboxes: 'Enable RTSP Service' (ON) and 'RTSP URL' (containing the value 7447/55c235c68700306f74eed\_0). At the bottom right of the configuration panel is a 'SAVE' button.

4. Copy the RTSP URL into the RTSPuri field. This is everything after the / in the RTSP URL field

## Get the Camera ID (ID Field in driver)

1. The Camera id part of the RTSP URL. It is the portion after the / and before the \_.
- For example if the rtsp URL is rtsp://ip:port/588639f8e4b0fc25aa21b264\_2  
Then the camera id is the highlighted portion.

## Adding the driver to your project

1. Add driver to Library\Documents\Control4\Drivers directory.
2. Launch the Composer Pro application and connect to your project
3. In the 'System Design' page select the 'Search' tab on the right hand side.
4. Select 'Camera' as the device type.
5. Double click on 'UniFi NVR' to add to the camera
  - a. Note: you will need 1 instance per camera on the NVR
6. In the driver properties select the correct selling store and enter the correct license key.

<b>Store</b>	<b>Blackwire Designs</b>
<b>License Key</b>	JhLOGDf6j0
<b>License Status</b>	Trial License Verified [47 hours left]

- a. Note: if you are using HouseLogix enter “trial” as your license key to start a trial
  - b. If you are using Blackwire, please contact them for a trial key which will be valid for 1 week.
7. The IP should be the IP of the NVR
  8. The RTSP port should be the RTSP port from the RTSP URL (Generally 7447)
  9. The HTTP should be the port you connect to the NVR on (Generally 7080)
  10. Enter the fields as documented in the NVR Configuration section
  11. Repeat for each camera

## FAQ

COMING SOON