

# ZUUM

## ZUUM NVR Driver

Compatible Control4 Systems: 2.9.1+

Compatible Hardware: ZUUM IP Camera and NVR/XVR

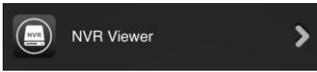
Support: 1.888.861.7351

## Initial Setup/Installation of Driver

1. Add Driver to project
2. Go to connection tab and enter IP address of NVR
3. Go to System Design and enter Username, Password
  - a. Set HTTP Port, RTSP Port, and Number of Channels

4.

| NVR Settings      |  |
|-------------------|--|
| Device Connection | Online   |
| NVR IP Address    | <input type="text"/><br>Enter IP Address in IP Network Connections |
| NVR Username      | <input type="text"/>   |
| NVR Password      | <input type="password"/>   |
| NVR HTTP Port     | 80   |
| NVR RTSP Port     | 554  |
| # of Channels     | 8<br>Enter amount of NVR Channels Here                             |

5. If integrating camera drivers into project, select Driver Action: Detect Control4 Camera Requirements and review information on Lua Tab
  - a. [Log onto NVR](#)
  - b. Set camera encode, settings for project (H264 is most common and should be set to 720p for optimal resolution with Control4)
  - c. [Add PTZ and Fixed Camera drivers as required to project](#)
  - d. Bind to NVR or connect directly to camera (see documentation on Camera Driver for more information)
6. If connecting NVR HDMI output to TV or A/V system (when device is selected in room, numbers will change video output to selected camera output. Ex: Button 6 will go to camera 6, Button 1, Button 2 will go to camera 12)
  - a. Bind NVR HDMI out to proper HDMI input on A/V equipment
  - b. *Control4 should now have NVR Viewer icon listed under watch menu*
  - c. 

7. Refresh Navigators

## Event Management

The NVR has many triggers that can be used for Control4 programming via the Events tab or creating a sensor connection and using connection bindings. Last event information is also stored in Composer Variables for dealer customization of the smart home.

|                        |         |                |        |                                      |
|------------------------|---------|----------------|--------|--------------------------------------|
| Global Event Alert     | Control | CONTACT_SENSOR | Output |                                      |
| VideoMotion            | Control | CONTACT_SENSOR | Output | Office Camera Motion->Contact Sensor |
| VideoLoss              | Control | CONTACT_SENSOR | Output |                                      |
| VideoBlind             | Control | CONTACT_SENSOR | Output |                                      |
| AlarmLocal             | Control | CONTACT_SENSOR | Output |                                      |
| CrossLineDetection     | Control | CONTACT_SENSOR | Output |                                      |
| CrossRegionDetection   | Control | CONTACT_SENSOR | Output |                                      |
| LeftDetection          | Control | CONTACT_SENSOR | Output |                                      |
| TakenAwayDetection     | Control | CONTACT_SENSOR | Output |                                      |
| VideoAbnormalDetection | Control | CONTACT_SENSOR | Output |                                      |
| FaceDetection          | Control | CONTACT_SENSOR | Output |                                      |
| AudioMutation          | Control | CONTACT_SENSOR | Output |                                      |
| AudioAnomaly           | Control | CONTACT_SENSOR | Output |                                      |
| VideoUnFocus           | Control | CONTACT_SENSOR | Output |                                      |
| WanderDetection        | Control | CONTACT_SENSOR | Output |                                      |
| RioterDetection        | Control | CONTACT_SENSOR | Output |                                      |
| ParkingDetection       | Control | CONTACT_SENSOR | Output |                                      |
| MoveDetection          | Control | CONTACT_SENSOR | Output |                                      |
| StorageNotExist        | Control | CONTACT_SENSOR | Output |                                      |
| StorageFailure         | Control | CONTACT_SENSOR | Output |                                      |
| StorageLowSpace        | Control | CONTACT_SENSOR | Output |                                      |
| AlarmOutput            | Control | CONTACT_SENSOR | Output |                                      |

## Video Stream Settings

Configuration of the video streams is recommended. Below are the typical settings an installer should set the video to:

- ? Code-Stream Type: Continuous
- ? Compression: H.264
- ? Resolution: 1280\*720(720P)
- ? Frame Rate(FPS): 15
- ? Bit Rate Type: CBR
- ? Bit Rate: 1024