LILIN IP Camera Installation and Usage Guide

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chowmainsoft

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Overview

Merit Lilin is a prominent Taiwanese company specializing in advanced video surveillance solutions. Renowned globally, they offer a comprehensive range of high-quality IP cameras, recorders, and related accessories. With a commitment to innovation, Merit Lilin stays at the forefront of the industry, consistently introducing cutting-edge technologies. Their products are known for seamless integration with various systems, providing reliable and robust security solutions. Whether for commercial or residential applications, Merit Lilin's reputation is built on delivering state-of-the-art surveillance technology, making them a trusted choice in the broader market for those seeking top-tier video monitoring solutions.

Integration of Lilin into Control4 provides seamless control / feedback over IP Cameras whether direct or through an NVR with PTZ control, presets, live audio through navigator, smart events and more.

Features

- View live camera stream on Control4 interface

- Support for audio in RTSP stream from cameras

- Supports Cameras behind an NVR or direct

- PTZ control (Up, Down, Left, Right, Preset, Zoom)

- Programming commands

    - Goto Preset
- Push Notification Snapshot Support (Requires 4sight)

- Support for the following realtime events

    - MotionDetect
    - AlarmInputDetect
    - AlarmInput2Detect
    - AlarmInput3Detect
    - AlarmInput4Detect
    - AlarmInput5Detect
    - AlarmInput6Detect
    - AudioDetect
    - TemperDetect
    - FaceDetectNumber
    - AlarmOutputStatus
    - AlarmOutput2Status
    - PIRDetect
    - DoorBell
    - LUX
    - Day
    - SmartEvent
    - Electric
    - Semaphore
    - Counting
    - Objleft
    - Objremove
    - Objdensity
    - Objloiter
    - Objface
- Ability to bind events to contact drivers in Control4 (eg motion sensor driver)

Setup Driver

Requirements

- Control4 OS 3.3.4 is the minimum required. Earlier Control4 OS Versions are not officially supported.

Driver Install Steps

It is important to add the details in the following order;

1. Advanced Properties > Properties

a.	Process Events	Set this to Yes if you plan on programming against camera events
b.	Is Camera Connected To an NVR	Set this to Yes if the camera is physically connected behind an NVR
c.	Preferred Channel	When Is Camera Connected to an NVR is set to Yes then this field will be available. Use this to specify the channel the on the NVR you want to access
d.	Preferred Stream	Specifies the stream you want to access
e.	PTZ Speed	You can adjust this later as required. *Only available on the PTZ driver*
f.	Reverse PTZ Controls	Flips the direction of the pan and tilt *Only available on the PTZ driver*
g.	Auto Rename Driver	Specifies if you want to rename the driver to the name set in the device

1. Properties > Camera Properties

a.	Hostname / IP Address	IP address of the CAMERA/NVR
b.	HTTP Port	Change as required
c.	RTSP Port	Change as required
d.	Required	This must be ticked
e.	Username	Username for the CAMERA/NVR
f.	Password	Password for the CAMERA/NVR
g.	Type	Digest or Basic as configured in the CAMERA/NVR

3. Refresh Navigators
4. Make the appropriate Bindings in the Connections tab using a **CONTACT_SENSOR** driver

Camera Drivers Properties Explained

Last Communication from Device   This will provide updates to the events connection

Device Name   This is the name of the camera as reported by the device

Device MAC Address   This is the MAC address of the device the driver is connected to

FAQ

What are the Requirements for this driver?

- Control4 OS 3.4
- Control4 HC-XXX Series controllers are not supported

Why is this product so exciting?

- If your LILIN camera has a microphone you can now listen to it live through Control4's navigators.
- Extend Control4 programming via smart events feedback. Program off of motion detection, audio detection, alarm input/output and more.

Do you offer any other cool drivers?

Control4 is a major part of our business. We develop new drivers all the time. You can see all of our drivers on our website (https://chowmain.software). Sign up to our newsletter to get notified when new drivers are released.

I want to try this driver out before buying it?

- All Chowmain drivers for Control4 come with a 90 day trial.

Licensing

- How does the trial period work?

  All Chowmain drivers are free to use for a set trial period. When the trial expires the driver will cease to function until you purchase a licence and apply it to the driverCentral project.
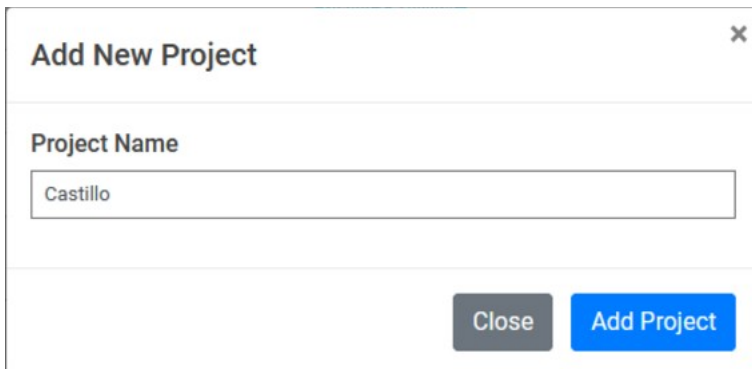
- Where do I buy a Licence from?

  This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc
  https://www.drivercentral.io/chowmain-ltd

  To purchase a driver:

    1. On driverCentral, purchase a license and register it to your project

    2. If the driver is not already installed in your project, download it and install it

    3. If necessary, use the cloud driver's Action: "Check Drivers" to force the licence to download into the project

Creating a Project on Driver Central

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account

3. Click **Portal**
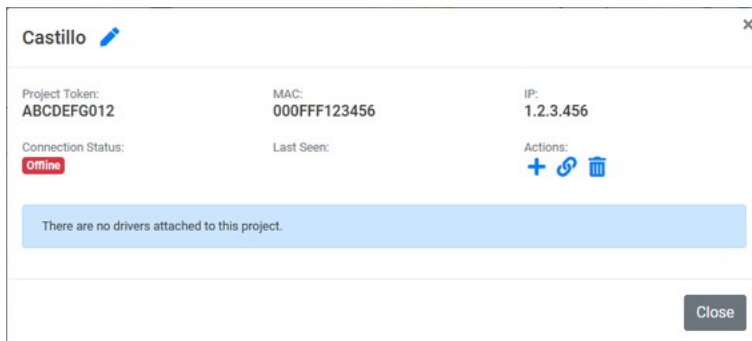
4. Click **New Project**

5. Enter the project name

6. Click **Add Project**

7. Click on the project we just created

Project	Status	Created
🏠 Castillo	Unassigned Project	1999-12-31 23:59:56

8. Take note of the **Project Token** as this will be used later when we install the Cloud Driver
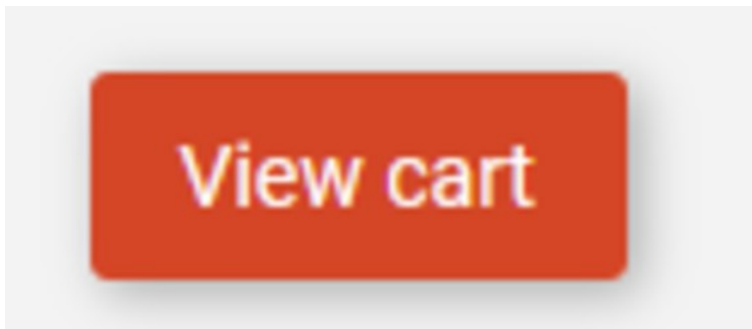

9. Click **Close**

Purchasing a Driver Licence

1. Visit https://www.drivercentral.io/chowmain-ltd/ and find the product/driver you want to purchase a licence for

2. Click on **Add to Cart**

3. Now click the shopping cart icon (top right) and click **View cart**

4. Confirm that your order is correct and click on **Proceed to checkout**

5. Choose your payment option, provide the relevent details and click **Place order**

Checkout

PayPal
Paypal
Paypal, or Credit Card...

Credit Card
Visa, Mastercard, etc...

☐ Select this check box to accept the Terms and Conditions
☐ Subscribe to our newsletter

Place order ($190.00)

6. You will now be at a page where you can see your purchased licence

License Name ⇕	License Key ⇕	Project Assigned ⇕	Action ⇕
██████████			Assign to Project

7. From here assign the licence to the project we created or if you did not follow that step create a new project

License Assignment for
221

×

Assign License to Existing Project

Select Existing Project:

New Project (enter project name below)   ▾

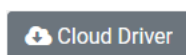**Or...**

Create a new project

Enter New Project Name

Enter email for Installer Notifi

Are you sure you want to do this?

Assign License to Project?

Install the driverCentral cloud driver

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account

3. Click **Portal**

4. Click **Cloud Driver**

☁ Cloud Driver

5. Copy the C4Z driver to My Documents\Control4\Drivers directory

6. Add the driver to your project

7. Click on the driver to view it's properties

Cloud Status	Please enter cloud project token below...
Project Information	(1) Total, (0) Licensed, (0) Trials, (1) Expired, (0) Updates.
Driver Version	1001
Project Token	
	Project token from driverCentral.io project portal
Driver Actions	⌄
Debug Mode	Off ⌄

8. Type in the project token we took note of earlier

9. Click **Actions** tab

10. Click **Check Drivers**

Install Chowmain driver

1. Install the Chowmain driver

2. You will notice that the Activation Status reflects a Licence Activated state

3. Any driver that does not have a purchased licence will have a trial licence activated via the marketplace
    Note that there is no way to reactivate the trial so please use wisely

4. If you do not then press the Check Drivers action in the driverCentral Cloud driver again

Activation Status	Update Available!!! License Activated
Driver Version	1002
Driver Information	Navigate to connections tab and make serial binding
Automatic Updates	Off ⌄

Developer Information

chowmainsoft

Support

Ticket / Live Chat Support

We provide ticket based support and live chat support for those who can't contact us via phone. Click the button below to visit our online helpdesk.

Support Centre	Hours of Operation	URL
American Support Desk	8:30AM – 4:30PM Mountain Time	https://help.drivercentral.io/

Phone Support

Support Center	Hours of Operation	Phone Number
Australian Support Desk	6:30AM – 5:30PM Australian Eastern Time	+61 3 9028 6999

Driver Documentation

All of our drivers come with detailed instructions on how to install and configure the driver for use in different projects. Please refer to the documentation included with the driver you downloaded, or contact us if you are unable to locate the documentation for your driver.

Change Log

Version 20231113 - 13-APR-2023

- Initial release