Control Programming LLC

Release Notes

CPLLC UniFi Protect Cameras Platform

Version 5.00 · November 23, 2026

Product	CPLLC UniFi Protect Cameras Platform (Crestron Home platform)
Version	5.00
Release date	November 23, 2026
Where to find it	Drivers › Platform › UniFi › Protect Cameras
Requires	Crestron Home OS 4.12 or later, and cameras adopted in UniFi Protect on a UniFi OS console (a Network Video Recorder, Dream Machine or Cloud Key)
Licensing	A UniFi Protect Cameras license key (cpllc.net/product/unifi-protect-cameras) or a CPLLC site license key (cpllc.net/product/site-license), entered in the platform's Enter License Key, or a site license key once in the CPLLC License Manager

> **Buyer Beware: Unofficial API**
> Ubiquiti does not publish an API for this product. This platform uses the unpublished protocol Ubiquiti's own app uses, which Ubiquiti can change or turn off at a moment's notice, without warning. If that happens the platform may stop working until it can be updated, and it may not be possible to update it.

Overview

The CPLLC UniFi Protect Cameras Platform mutes Ubiquiti UniFi Protect cameras from Crestron Home, so the cameras inside a home see and hear nothing while the residents are there and work as usual while they are away. The platform logs in to the console that runs UniFi Protect, finds every camera adopted there, and offers each one as a Mute tile to place in a room. Muting a camera covers its whole picture with a privacy zone and turns its microphone off; unmuting puts both back. A tile is a touch, and a sequence can mute the inside cameras when the house is disarmed or someone comes home, and unmute them when everyone leaves. The platform talks to the console over the local network, with no cloud account.

Capabilities

Capability	What it does
Finds every camera	Every camera adopted in UniFi Protect is listed in Pair Devices under its name in Protect. Add only the ones to be muted, typically the inside cameras.
One Mute tile per camera	Each camera added is a tile of its own, in any room: On while the camera is muted, Off while it works as usual. A touch changes it.
Picture and sound	Mute covers the camera's whole picture with a privacy zone named CPLLC Mute and sets its microphone volume to 0. Unmute removes that zone and puts the volume back. Privacy zones already drawn in Protect are left as they are.
The camera's real state	A tile starts at the camera's state as Protect reports it, and after every command shows what Protect did, not what was asked for.
Sequences	Mute On, Mute Off and Mute Toggle for each camera, and events when it is muted and unmuted.
Auto off	A camera can be muted for a set time, after which it unmutes by itself.
PIN code	A PIN can be required before a camera can be muted or unmuted.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

- When UniFi cannot be reached as the driver starts (a processor back from a power failure before the console is), the driver now tries again by itself until it is linked; it used to stay unlinked until Reconfigure Driver or a reload.
- The tile shows the device offline when it can't be reached, and online again as soon as it answers.
- First release: every camera in UniFi Protect can be added to Crestron Home as a Mute tile that blacks out its picture and turns its microphone off.
- Mute On, Mute Off and Mute Toggle sequences and Mute is On / Mute is Off events for each camera.
- Its own license key, or a CPLLC site license key, licenses the platform by itself, so the CPLLC License Manager is not required; it is still the convenient place to enter a site license key once for every CPLLC driver.

Installing

Before installing, create a local admin for the platform on the console that runs UniFi Protect (Admins & Users, with full management of Protect): a Ubiquiti account with two-factor authentication can't log in from a driver. Where Protect runs on a recorder of its own, the admin is created on that recorder, not on the gateway: each console has its own users. Give the console a fixed address.

Add the platform from Drivers › Platform › UniFi › Protect Cameras. The CPLLC License Manager is not required. On the first page, enter the address of the console that runs Protect (the port is 443) and the admin's username and password; on the next, the license key (or leave it blank on a site with a CPLLC site license), and save the options. The platform then logs in and reads the cameras, and each one appears under Managed Platforms › the platform's name in Pair Devices, under its name in Protect, ready to be added to a room with its +.

Installer Options

The platform's options: the address and login on the first page, then the CPLLC page:

Option	Description
IP Address / Hostname	The IP address of the UniFi OS console that runs UniFi Protect (a Network Video Recorder, Dream Machine or Cloud Key).
Port	Its HTTPS port, 443 (the default).
Username	The username of a local admin of that console with full management of Protect, without two-factor authentication.
Password	That admin's password.
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The UniFi Protect Cameras license key. Leave blank when the site has a CPLLC site license.

Cameras

Each camera added from Pair Devices is a Mute tile, named as the installer names it. The tile shows a camera while the camera works as usual and a crossed-out camera while it is muted, with On or Off; touching it mutes or unmutes the camera. With Only Display Tile unchecked and Auto Enabled checked, the camera has a page with an auto off timer that unmutes it again once the time set has passed.

Besides the icon and text fields with the Show CH Icons link, a camera has:

Option	Description
Show on Home Screen	Shows the camera's tile on the Home screen (default off).
Show in Room Screen	Shows the camera's tile in its room (default on).
Starting Pin Code	A numeric PIN that must be entered before the camera can be muted or unmuted. Blank means no PIN (the default).
Seconds Pin Active	How long the camera stays unlocked after the last touch (default 10 seconds).
Tile Clickable	Touching the tile mutes or unmutes the camera (default on).
Only Display Tile	Shows the tile alone, with no page (default on).

Option	Description
Auto Enabled	Offers the auto off timer on the camera's page (default off).
Auto Time in Seconds	The auto off time is in seconds; unchecked, it is in minutes (default).
Maximum Auto Time	The longest auto off time allowed, in the unit above (default 600).

A camera adds these actions and events:

Action	Description
Mute On / Mute Off	Mutes or unmutes the camera, as the tile does.
Mute Toggle	Unmutes the camera when muted, mutes it when not.
Mute On w/Auto Off	Mutes it, then unmutes it again after the number of minutes given. Offered when Auto Time in Seconds is off.
Mute On w/Auto Off (Seconds)	Mutes it, then unmutes it again after the number of seconds given (1 to Maximum Auto Time). Offered when Auto Time in Seconds is on.
Extension Enable / Extension Disable	Enables or disables the device. A disabled device shows Disabled and ignores its tile and page.

Event	Description
Mute is On / Mute is Off	The camera was muted or unmuted from Crestron Home.
Extension Enabled / Extension Disabled	The device was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered (with a Starting Pin Code set).

End-User Experience

Each camera is a tile in its room: a touch mutes the camera, and another unmutes it. While a camera is muted, its picture in the UniFi Protect app is covered and it sends no sound.

Without a valid license key or a CPLLC site license, the tiles run for a two-hour grace period after the platform starts; then they show License Expired and ignore their controls. Entering a valid key, or adding a site license, clears it without a restart.

Known Limitations

- The login must be a local admin without two-factor authentication; a Ubiquiti account with MFA can't log in.
- A muted camera keeps running: Protect goes on recording it, with the picture covered, and the mute is not a way to stop recording.

- Protect reports nothing to the platform, and the platform does not poll it: a privacy zone or microphone change made in the Protect app shows in Crestron Home only after the platform next logs in (a reload or a restart of the processor).
- Mute adds a privacy zone named CPLLC Mute to the camera. Renaming or deleting that zone in Protect leaves the tile out of step until the platform next logs in.
- Unmute puts the microphone back to the volume it had when the camera was muted. If the processor restarts while a camera is muted, that volume is no longer known and unmute sets it to 100.
- Tested on a UniFi G5 Flex. Protect lists every camera the same way, doorbells and intercoms included, but other models have not been tried; one that takes no privacy zone stays unmuted, and its tile shows Off.
- A camera is identified by its ID in Protect: one removed from Protect and adopted again is found as a new camera.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R.

Version History

Date	Version	Changes
2026-11-23	5.00	The first link is tried again by itself when the console can’t be reached (it stayed unlinked until Reconfigure Driver or a reload).
2026-11-19	5.00	Devices show offline when they can’t be reached, and online again when they answer
2026-11-16	5.00	First release: every camera in UniFi Protect as a Mute tile that covers its picture and turns its microphone off, with Mute On, Off and Toggle sequences and Mute is On / Off events

Support

> **CPLLC Site License**
> A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

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Product page	https://cpllc.net/product/unifi-protect-cameras/

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