

# Home “Security Cam” using old iPhone

**Airwall Teams use case: Stream secure video over encrypted HIP tunnels**

## Introduction

There are lots of ways to see what’s happening at home, but nearly all of them require a third-party service that stores your images in their cloud and potentially even giving hackers the ability to see your camera. With Airwall Teams, it’s easy to connect to devices inside your house while on the go, so why not repurpose an old phone – Android or iOS – and do it yourself? No monthly bill, and no one else can see inside your house.

In this guide, we’ll explain how to do this. Basically, we’re going to install Airwall Teams and use it to create a completely private network so no one can intercept your traffic. Airwall Teams traverses nearly all firewalls without any need for pinholes, so this will work on your cell phone or any other device you want to use to access the camera remotely. I used an iPad. Once we establish connectivity, we’ll install some free third-party software and we are off to the races.

## What you’ll need

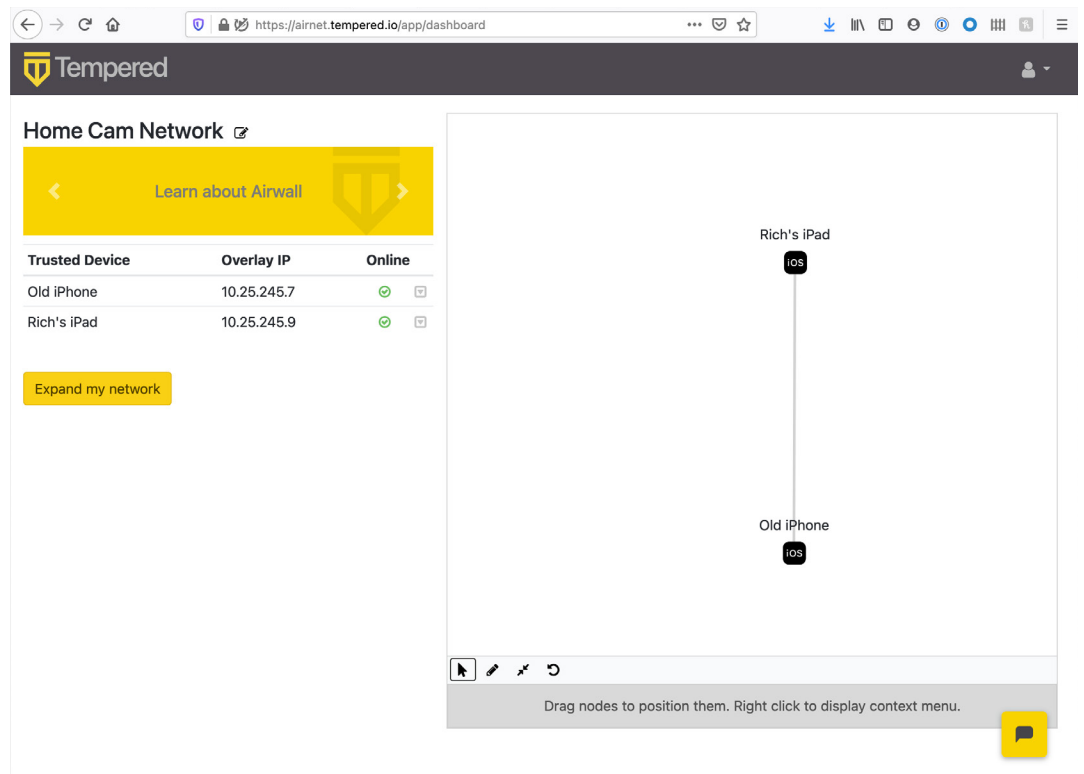
1. An iOS or Android device. You could use an old laptop, too.
2. An Airwall Teams account
3. About 20 minutes

# Step 1: Build your network

If you haven't already done so, head over to [airwallteams.tempered.io](https://airwallteams.tempered.io), sign up for an account, and establish connectivity between them. If you're new to Airwall Teams, check out the guide here:

[https://webhelp.tempered.io/webhelp-ft/content/topics/awteams\\_getstarted.html](https://webhelp.tempered.io/webhelp-ft/content/topics/awteams_getstarted.html)

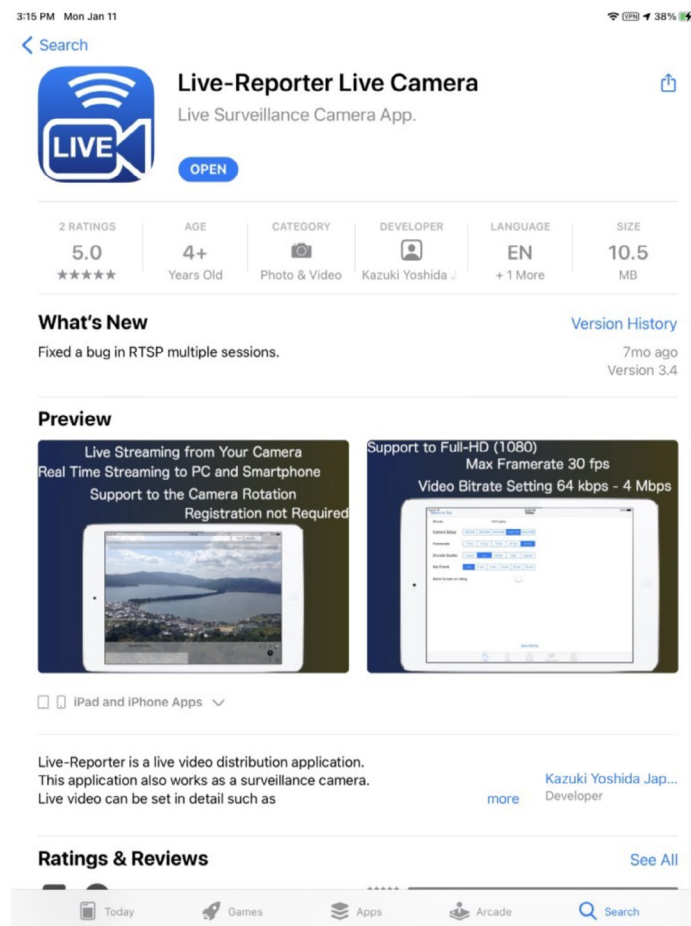
When you're done, it should look like this:



## Step 2: Install camera streaming app

For this example, I'm use the RTSP streaming protocol and a couple of free apps from the app store. You can use other apps that support point-to-point video streaming if you'd like.

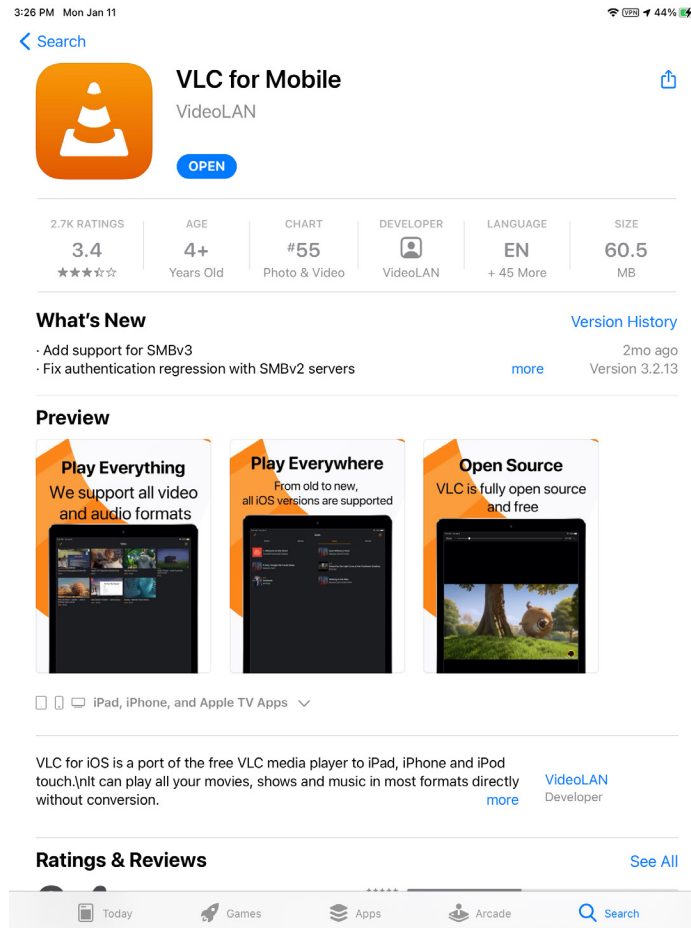
On the phone we will be using to stream video, install Live-Reporter Live Camera from the app store. It is available for both Android and iOS, and it's free. Here's the Apple app store description:



Once the app is installed, go ahead and launch it. Note that you do not need to give it permission to access your location. Also note that the app only works when it is open.

# Step 3: Install viewing software

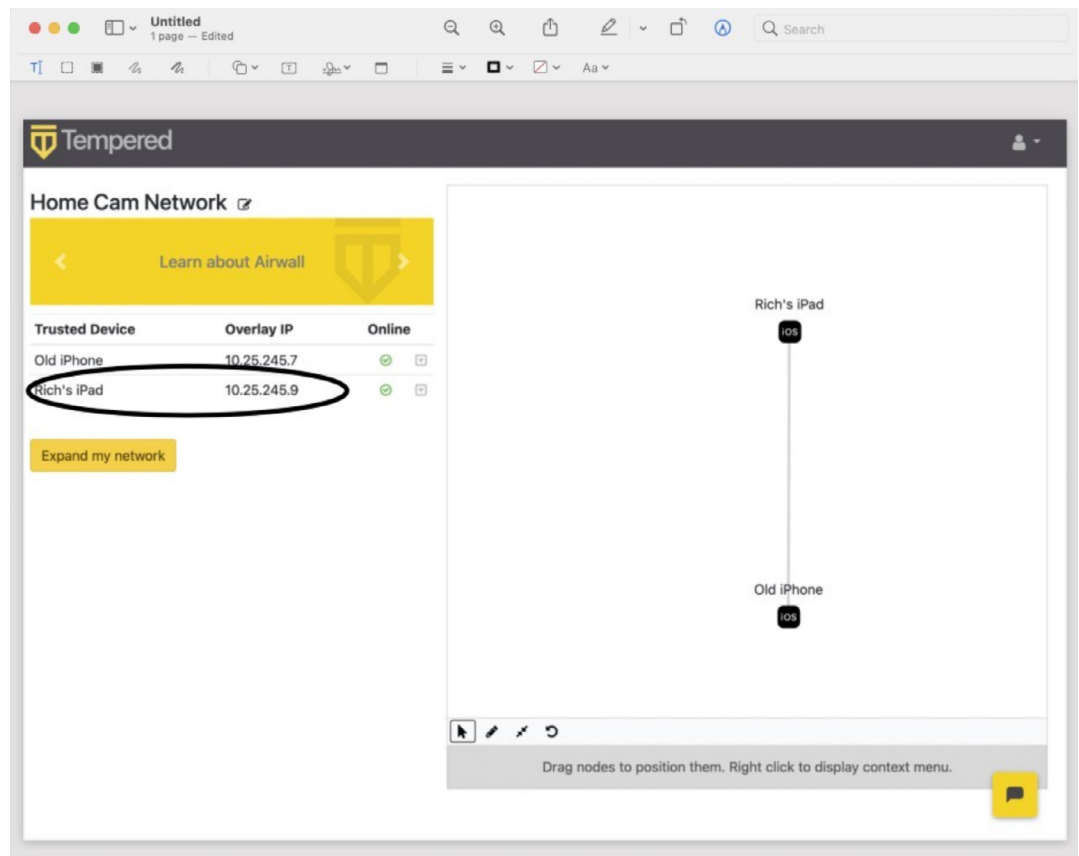
Once that's done, you'll need an RTSP client. There are a ton of them in the app store, but I'll use VLC. Here's the app store listing:



## Step 4: Connect

At this point we're nearly done. All that is left is to point the camera at something interesting, open the VLC app, and configure the connection.

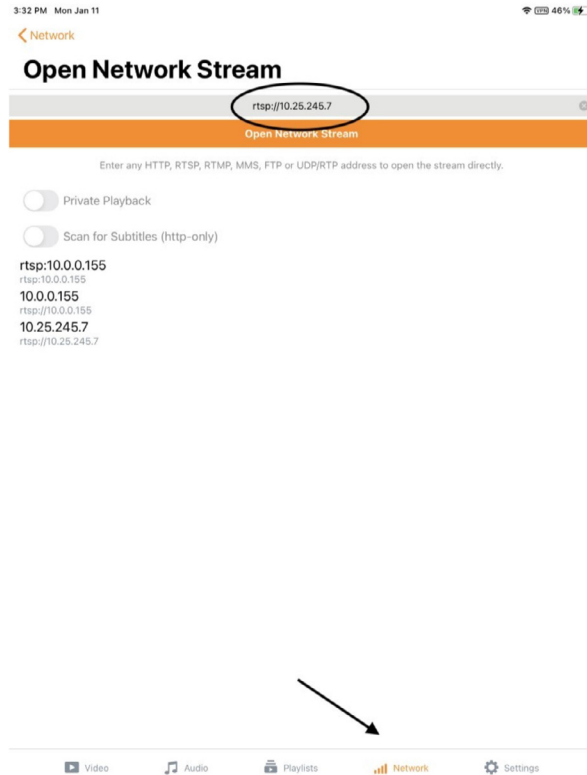
Before we start, we need one piece of information: The "Overlay" IP address of the phone we are using to stream video. This IP address is different than the one it gets joining your wifi network. To find the overlay IP, just get it from the Airwall Teams portal. In this example, it is 10.25.245.9:



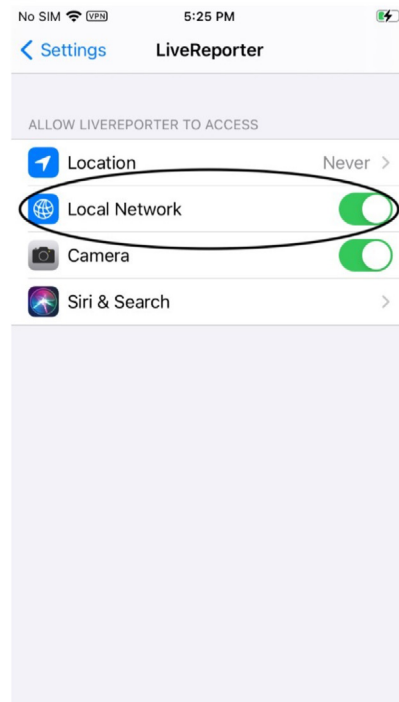
The screenshot shows the Tempered web interface. On the left, a table lists trusted devices with their overlay IP addresses. The 'Rich's iPad' row is circled in black. On the right, a network diagram shows two nodes: 'Rich's iPad' at the top and 'Old iPhone' at the bottom, connected by a vertical line. The nodes are labeled with 'iOS'.

Trusted Device	Overlay IP	Online
Old iPhone	10.25.245.7	✓
Rich's iPad	10.25.245.9	✓

Now that we know the IP, open VLC on the device you want to watch on. Navigate to the "Network" tab, and enter "rtsp://10.25.254.7" (but use your IP). Click "Open Network Stream":



At this point, go back to the streaming device (the iPhone in my example) and grant permission to use the local network. Just click "ok". If you miss the notification, just go to "Settings>Live Reporter" and add the Local Network permission:



## Step 5: Enjoy!!

Once permission is granted to use the network, the video will start streaming.



**Schedule a call with our experts to learn more.**

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