AltumView
Systems Inc.

Cypress Visual Sensor
User Manual

Content

We take your privacy seriously

Privacy is built into Cypress at every level. No personally identifiable formation, photos, or videos are ever stored on our device.

Document Revision Table

Revision	Date	Author	Description
1	7-Jun-2019	A. Heydaryan	First Release
1.1	19-Jun-2019	A. Heydaryan	Added regulatory information

Device Information

Cypress model number: Model No.: 30-03-00004
Made In Canada

FC

FCC ID: 2ATH6-CYPVS1
IC: 25095-CYPVS1
Contains FCC ID: Z64-WL18DBMOD
Contains IC: 451I-WL18DBMOD

Regulatory

FCC Statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help

FCC Caution: Any change or modification to the product not expressly approved by AltumView could void the user's authority to operate the device.

Regulatory

RF Exposure Statement
The Cypress Visual Sensor has been tested and meets applicable limits for radio frequency (RF) exposure. The Cypress Visual Sensor should be installed and operated with at least 20cm between the radiator and your body.

Innovation, Science and Economic Development Canada (ISED) Compliance Notice
This device complies with Canadian RSS-247. To prevent radio interference to the licensed service, this device is intended to be operated indoors.
Cet appareil est conforme à la norme CNR-247 du Canada. Pour éviter toute interférence radio avec le service autorisé, cet appareil est conçu pour être utilisé à l'intérieur.

Before You Start

Cypress needs wifi with active internet connection and a power outlet to work.
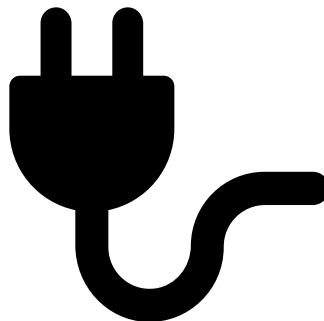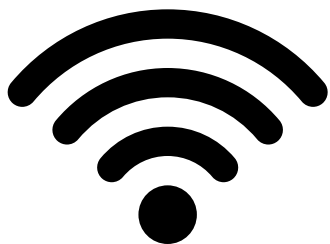
⚠️ Use only the power adapter and power cord supplied by AltumView. Use of any unapproved power adapter and/or power cord may damage your Cypress Visual Sensor and is strictly forbidden and will void your warranty.

Hardware specification

CPU	2 ARM Cortex A73 @1.6GHz 2 ARM Cortex A53 @1.3GHz 1 ARM Cortex A53 @1.0GHz
GPU	Dual-core ARM Malu G71 @900MHz
Vision Processor	Dual-core NNIE @840 MHz Quad-core DSP @700MHz
Ports	microSD Card
Wifi	WiFi 802.11a/b/g/n
Bluetooth	Bluetooth Low Energy 5.0
Night Mode	9 Infrared emitters allow for function at night
AC Power	100-240VAC, 50/60Hz
DC Power	12V ⎓ 1.5A, 18W

Visit Our Website

Please head over to **www.altumview.com** for the most updated version of this document.
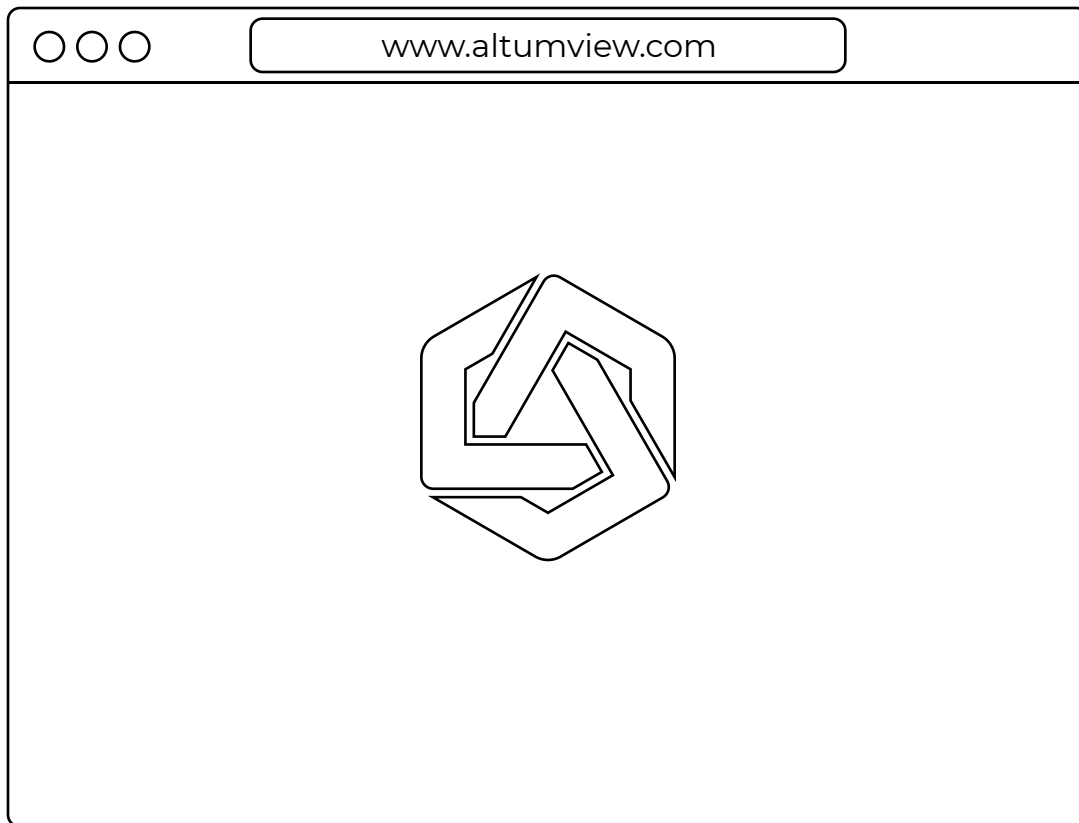
Compatible Devices

Cypress app can work on any of the following iOS device running iOS 12 or later.

iPhone X
iPhone 8
iPhone 8 Plus
iPhone 7
iPhone 7 Plus
iPhone 6s
iPhone 6s Plus
iPhone 6
iPhone 6 Plus
iPhone SE
iPhone 5s

12.9-inch iPad Pro 2nd gen
12.9-inch iPad Pro 1st gen
10.5-inch iPad Pro
9.7-inch iPad Pro
9.7-inch iPad 2018
iPad 2017
iPad Air 2
iPad Air
iPad mini 4
iPad mini 3
iPad mini 2
iPod touch 6th generation

iOS App Instructions

Signing up

Use the "Sign Up" button to register an account with AltumView. You need a valid email address to complete this procedure.
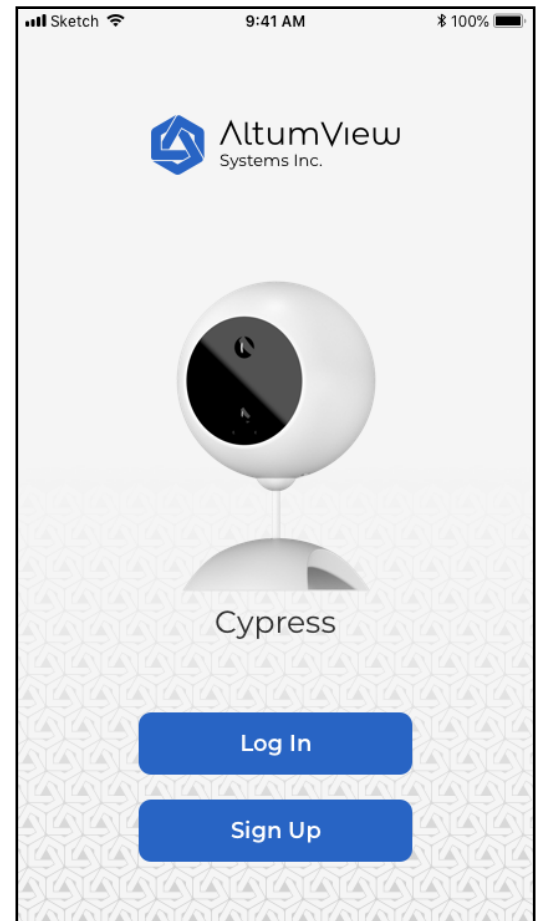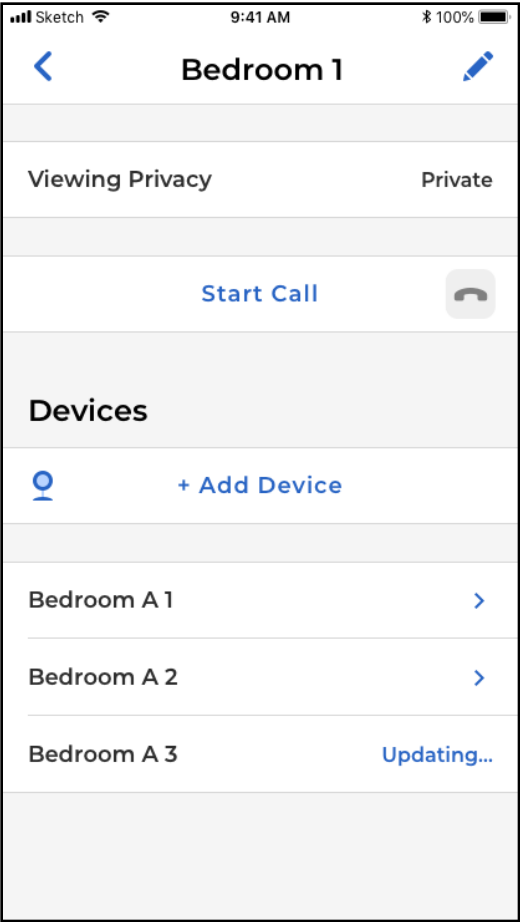
iOS App Instructions

Adding a device

Tap on the area and the zone that you wish to add Cypress to, then tap on "Add Device".

Follow on-screen instructions to connect the Cypress Visual Sensor to wifi and you're done.

iOS App Instructions

Areas and zones

From the first tab you can access all of your areas and you can add a new one with the "Add Area" button.

Areas contain zones inside them. You can think of areas like different floors of a building and zones like different rooms on each floor.

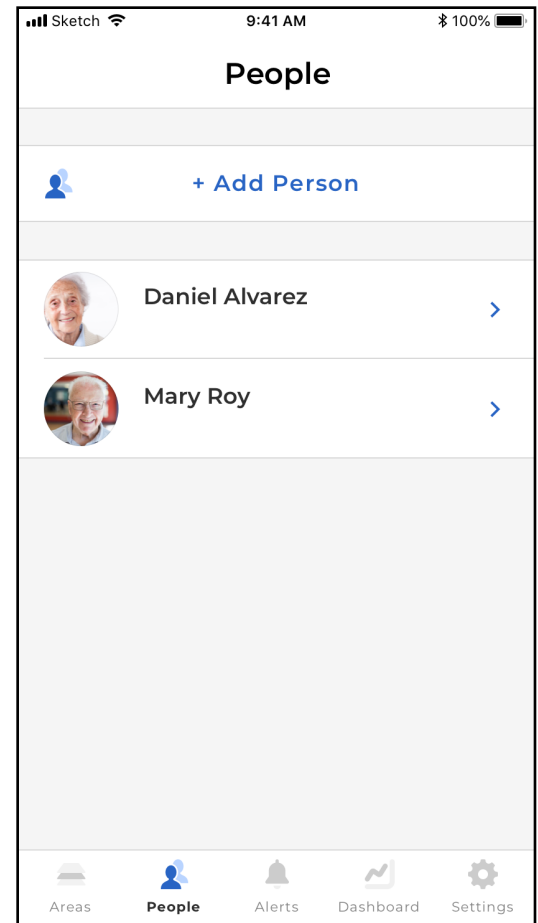Please note that devices can only be added to zones and not areas.
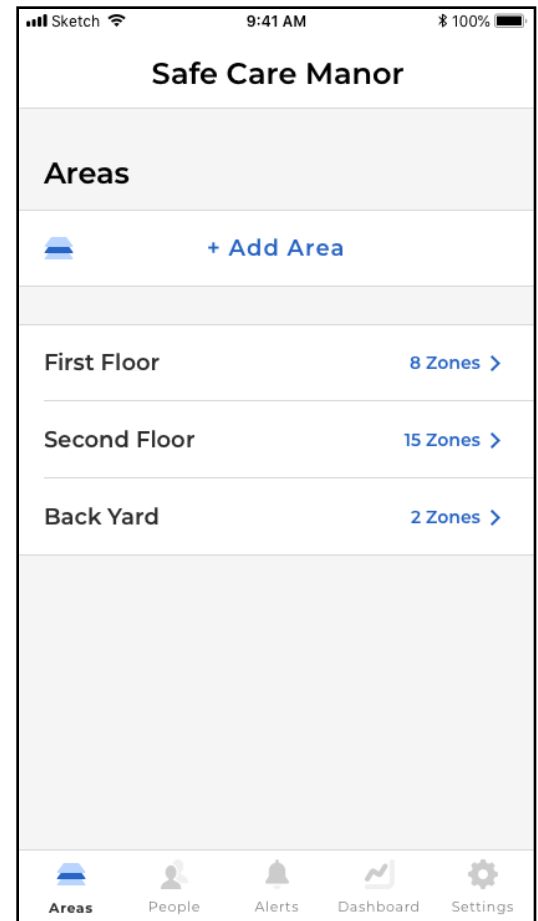
iOS App Instructions

People

The second tab called "People" is where you can add people to the app.

Adding people here allows Cypress to recognize them by their pictures and let you know when an incident happens.

Behaviour patterns can only be shown for people that are in this list.

iOS App Instructions

Alerts

In the "Alerts" tab you can see all of the incidents that have happened. Recent incidents that have not been resolved have a red dot next to them.

Inside each incident you have the option to replay the stick figure recreation of the incident.

You also have the option to start a two-way audio call to the device directly.
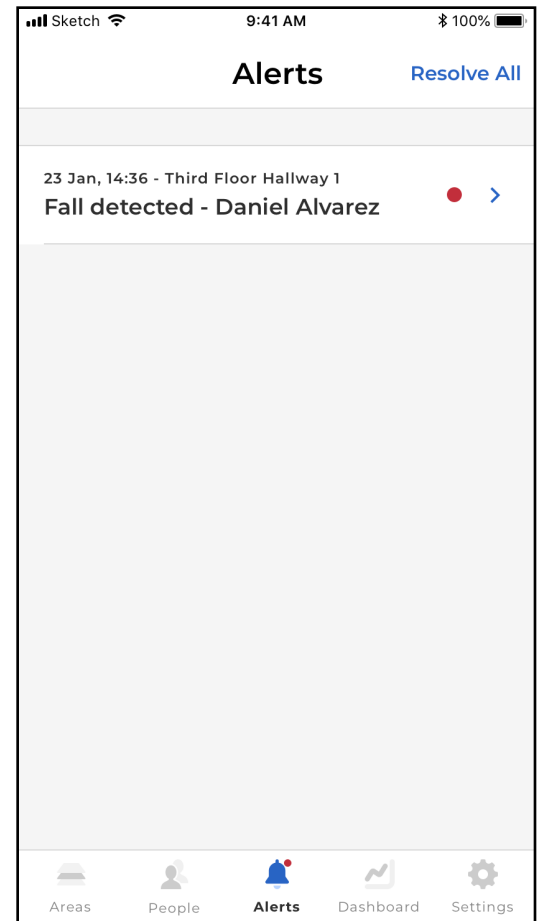
iOS App Instructions

Dashboard

The dashboard tab gives you insight into the daily activities and behaviour of the "People" that you have added in the second tab.

You get information like which areas zones they like to spend their times at most, and pictures of the zones which highlight where incidents happen most often.