

# Hawkeye 4 Product Guide

V0.1

2012-12-12



Hive Labs

## Revision History

***Latest change at the top of the table please.***

Name	Version	Date	Comments
Geoff Smith	0.1	2012-12-12	Draft

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## Product Description



Hawkeye 4 is battery powered Wi-Fi connected security camera. It requires no wires for either power or communication and is therefore extremely easy to install.

All that is required is two non-rechargeable AA sized lithium batteries and a Wi-Fi access point with an internet connection. A free application available for iPhone and Android enabled smart phones is used to arm and disarm the camera (or cameras) in your home or office. Once armed if movement is detected with the inbuilt infrared detector a video is taken and the user is notified. The user may then view the video directly on their smartphone and respond accordingly.

For more details please see our product descriptions, help guides and videos available at [www.hivelabs.com](http://www.hivelabs.com).

## Technical Specification

### Hive WiFi Camera

- 100% no cables required
- Power:
  - 2 x AA lithium batteries
- Battery Life
  - 1 year (under typical operating conditions)
- WiFi
  - World's lowest power WiFi chip – proprietary to HiveLabs
  - 802.11b/g/n (2.4Ghz) compatibility
- Motion Detection

- Panasonic PIR motion sensor
- Video:
  - CMOS color sensor
  - Resolution
    - § 640x480
  - Video frame rate
    - § Variable, up to 30fps
  - Format
    - § H.264 (transcoded on-server for multi-format playback)
  - Field of view:
    - § Horizontal: 52.90 deg
    - § Vertical: 41.19 deg
  - Recording
    - § On motion detection
    - § On demand
- Audio
  - Audio In
    - § Wolfson ADC, 20Hz-20kHz
    - § Real-time multiplexing of audio and video
  - Audio Out
    - § 36mm full range speaker
    - § Wolfson integrated DAC and class-D amplifier
    - § Audio feedback to guide user
    - § Pre-programmed siren or user-recorded audio
    - § 81.5dB at 1 meter
- LEDs
  - While Light Lighting 41000 mcd (avg)
- Storage
  - Secure, cloud-based storage of recorded audio/video
  - Near real-time provisioning for viewing on mobile apps and web clients
- Dimensions:
  - 65mm diameter sphere, 74.6mm high including base
  - 2.6" diameter sphere, 2.9" high including base

## Hive Software

- Platforms
  - iPhone – native app customized for iPhone
  - iPad – native app customized for iPad
  - Android – native app suitable for wide range of phones
  - Web browsers – IE, Chrome, Firefox, Safari, etc
  - Do we want to say something about html5 browser support on other phones (windows 8 and other tablets?)
- Features:
  - World-wide real-time notifications of security events via
    - § Push
    - § SMS

- § Voice
- § Email
- § Facebook (secure direct to user messages only)
- § Twitter (secure direct to user messages only)
- World-wide access to audio/video footage
  - § Captured as result of motion detection
  - § Captured on-demand
- World's only community-powered security system:
  - § Easily create a digital 'neighborhood watch' via email, Twitter, and Facebook invites
  - § Various user roles, depending on level of trust/access
- Uniquely simple management of entire secure locations
- Uniquely simple interaction with individual devices
- Powerful event timeline:
  - § List of historical events
- In-context, real-time community-wide collaboration via
  - § Text
  - § Images (can be captured on phones or other)
  - § Videos (can be captured on Hive cameras, phones, or other)
- Extensible functionality based on security 'apps', including:
  - § Access Control Apps
  - § Alert Apps
  - § Voice Apps
  - § Proximity Apps
- Communicates with HiveLabs power switch and fire detection products

## Getting Started

At [www.hivelabs.com/start](http://www.hivelabs.com/start) you will find helpful video guides that take you through three simple steps to get going.

- 1. Install your phone app**
- 2. Create an account**
- 3. Connect your camera**

# Regulatory Compliance Information

## FCC Declaration of Conformity

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 caused undesired operation. See instructions if interference to radio or television reception is suspected.

## Radio and Television Interference

This equipment has been tested and found to comply with the limits for a class B digital device in accordance with the specification in Part 15 of FCC rules. This specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

**Important:** Changes or modifications to this product not authorized by Hive Labs Inc. could void the EMC compliance and negate your authority to operate the product.

Responsible Party (contact for FCC matters only)  
Hive Labs Inc.  
3901 Lakeplace Ln  
Austin, TX 78746  
USA  
Ph: +1 512 487 7274  
[www.hivelabs.com](http://www.hivelabs.com)

## Exposure to Radio Frequency Energy

The radiated output power of the Wi-Fi module in this device is below the FCC (and EU) radio frequency exposure limits for uncontrolled equipment. This device should be operated with a minimum distance of at least 20 cm between the device's internal antenna and a person's body and must not be co-located or operated with any other antenna or transmitter subject to the conditions of the FCC Grant.

## Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept and interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux norms CNR exemptes de licence d'industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

#### **Industry Canada Statement**

Complies with Canadian ICES-003 Class B specifications. Cet appareil numérique

De la classe B est conforme à la norme NMB-003 du Canada. This device complies with RSS 210 of Industry Canada.

## **Disposal and Recycling Information**



This symbol indicates that your product must be disposed of properly according to local laws and regulations. When your product reaches its end of life, contact Hive Labs or your local authorities to learn about recycling options.

For information about Hive Lab's recycling program, go to [www.hivelabs.com/recycling](http://www.hivelabs.com/recycling).

#### **Battery Disposal Information**

Dispose of batteries according to your local environmental laws and guidelines.

## **Limited Warranty**

Your HIVE hardware is warranted against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. If a defect exists, HIVE Labs., at its option and to the extent permitted by law will (1) repair the product at no charge using new or refurbished parts, (2) exchange the product with a functionally equivalent product that is new or refurbished, or (3) refund the original purchase price. this warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship.

TO THE EXTENT PERMITTED BY APPLICABLE LAW HIVE LABS IS NOT LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THE PRODUCT. THE WARRANTY AND REMEDIES DESCRIBED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL, WRITTEN, EXPRESS, STATUTORY OR IMPLIED. TO THE EXTENT PERMITTED BY APPLICABLE LAW HIVE LABS DISCLAIMS ALL IMPLIED AND STATUTORY WARRANTIES, INCLUDING, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF IMPLIED WARRANTIES CANNOT BE DISCLAIMED, THEN SUCH WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Any recovery is limited to the original purchase price. No other person is authorized to modify this limited warranty, and your seller is solely responsible for any other warranties.

Some states do not allow limitations on how long an implied warranty lasts, or exclusions of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

To obtain warranty service, contact Hive Labs using the information described at [www.hivelabs.com/support/country](http://www.hivelabs.com/support/country). Proof of purchase may be required to verify eligibility.

Please see [www.hivelabs.com/legal/warranty](http://www.hivelabs.com/legal/warranty) for a description of warrantor by country.

## Contact Details

[www.hivelabs.com](http://www.hivelabs.com)

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