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## Alarm.com Image Sensor Version 3 (ADC-IS-300-LP) Data Sheet

The Image Sensor (model ADC-IS-300-LP) delivers smarter security with instant visual verification of alarms and increased engagement through on-demand views. Our latest model\* has been redesigned to deliver higher resolution images, improved night vision, and a wider field of view.

It is ETL certified, battery operated, and communicates with the customer's security control panel. Swap it for a standard motion sensor in typical installations for increased customer value and higher account RMR.

Integrated with Alarm.com Interactive Services, images are easily accessible to customers. All uploaded images are viewable on the Alarm.com Customer Website or through the mobile apps. Users can even receive images in text or email alerts whenever an image is uploaded— whether in the event of an alarm, or on-demand for important events.

The Image Sensor is compatible with most Alarm.com supported panels. Some panels require additional hardware. See the [System Compatibility](#) table for more details. For more information on finding out whether or not the Image Sensor radio is built into the module, see [Verify information for an Alarm.com cellular module](#).

### Highlighted features

- ETL certified for UL639 and ULC S306
- 35 foot detection range with a 90 degree horizontal FOV
- Remotely configurable PIR sensitivity
  - Pet immunity, etc.
- Easy installation
  - Simple panel enrollment
  - No broadband required; No router configuration
  - Tri-color LED
- Battery powered
- Tamper detection, walk test mode, supervision
- Color images
- Night vision
  - IR illumination
  - Black and white images
- Wireless image transmission to panel
- Wireless image transmission to Alarm.com via cellular networks

## Physical data

<b>Dimensions (L x W x H)</b>	3.0" by 1.8" by 1.8"
<b>Enclosure Material</b>	Fire resistant plastic (UL 94)
<b>Enclosure Color</b>	White
<b>Weight</b>	3.1 oz (with batteries, w/o mounting accessories)
<b>Operating Temperature</b>	Indoors (32-110°F for non pet applications; 60-110°F for pet applications)
<b>Humidity</b>	UL certified in up to 85% relative humidity
<b>Static Immunity</b>	Yes
<b>Sealed Optics</b>	No
<b>RFI Immunity</b>	Yes
<b>Tamper Detection</b>	Yes (orientation based detection)

## Motion detection

<b>Technology</b>	Dual element PIR
<b>Detection Range</b>	35' with a 90° horizontal FOV
<b>Lens Type</b>	Fresnel lens
<b>PIR Sensitivity</b>	Remotely configurable; 3 levels
<b>Pet Immunity</b>	Yes with low sensitivity level only (up to 40 lbs)
<b>PIR White Light Immunity</b>	Yes
<b>Walk Test Mode</b>	Yes
<b>Post Activation Idle Time</b>	3 minutes (default when disarmed)

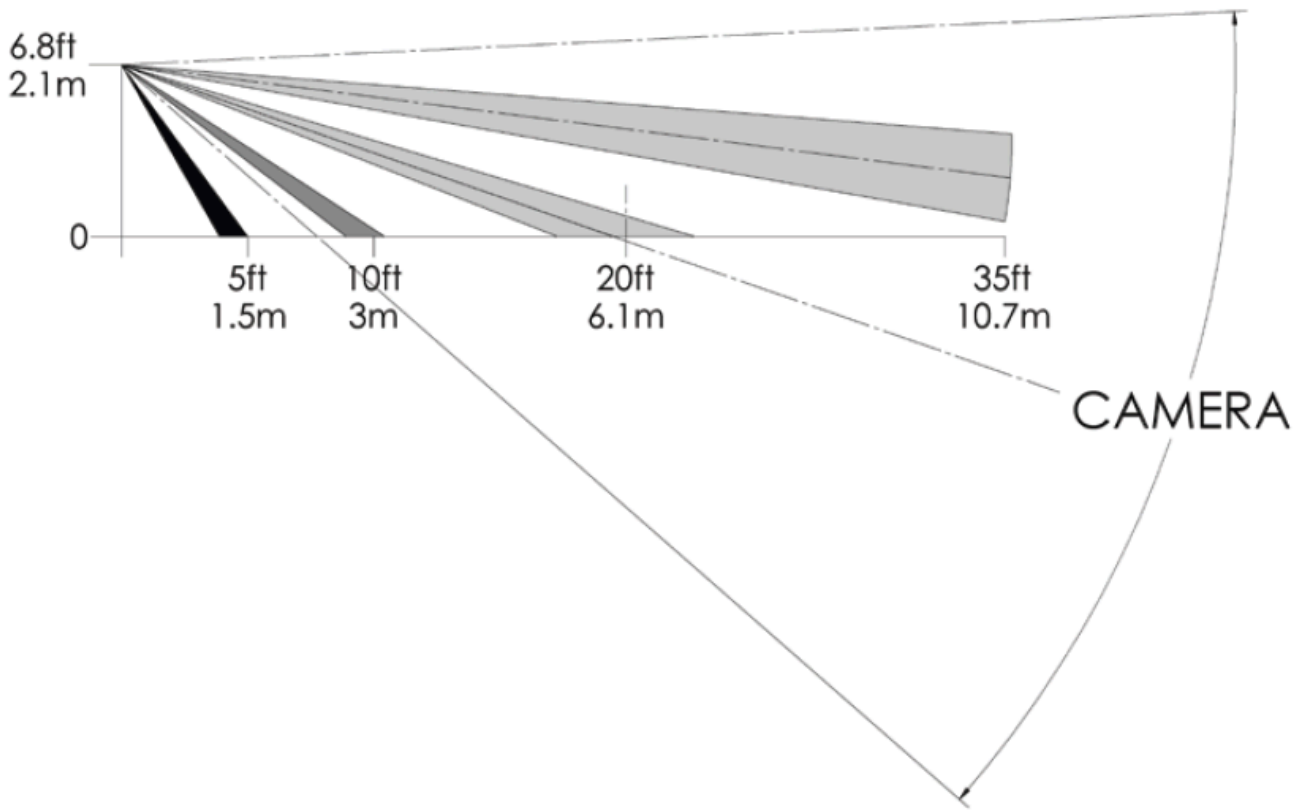


Figure 1. Side View: PIR Lens Coverage

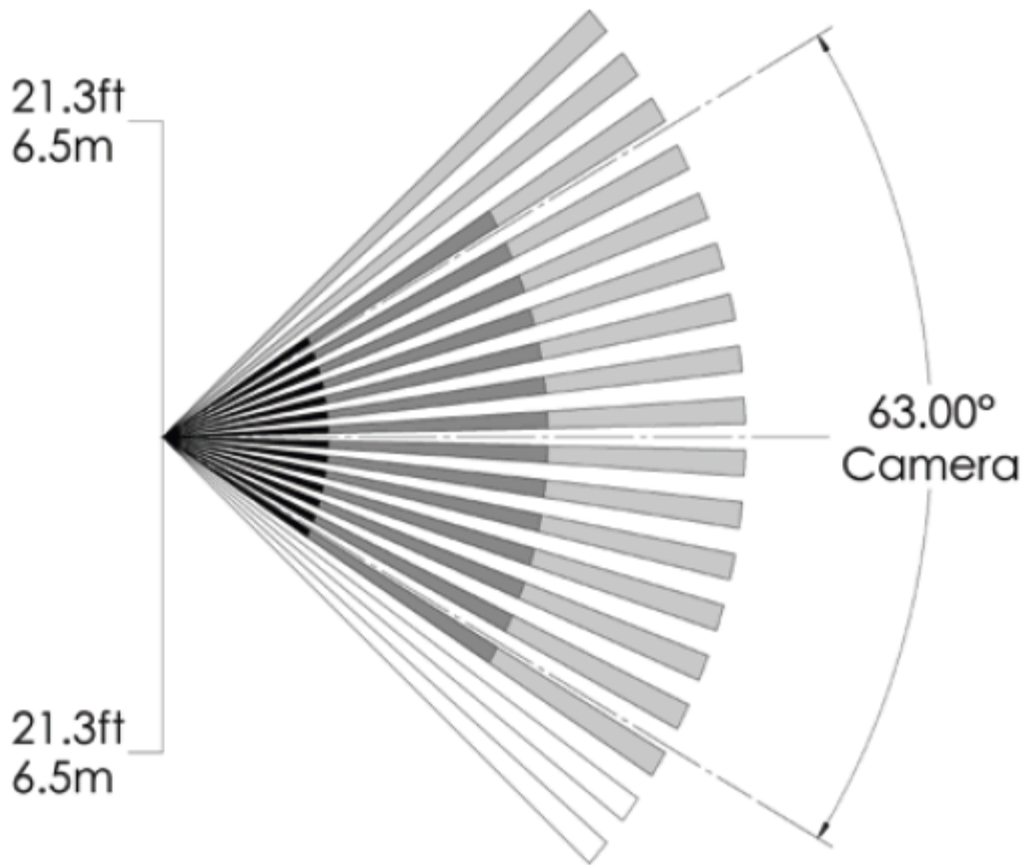


Figure 2. Top View PIR Lens Coverage

## Camera

<b>Camera Type</b>	CMOS
<b>Focus</b>	1 ft. to infinity
<b>Night Vision and Capture</b>	Yes- automatic infrared flash (invisible 240mW)
<b>Night Vision Range</b>	Optimal within 20 feet
<b>Minimum Illumination w/o IR Flash</b>	3 lux
<b>Motion Triggered Images</b>	Yes
<b>Images On-Demand</b>	Yes
<b>Image Resolution</b>	VGA (640x480 pixels)

## Installation

**Mounting Height**

6 ft to 8 ft

**Mounting Angle**

6°, 12°, or 18° down angle

**Mounting Options**

Wall mounted w/ bracket (flat or corner mount)

## Wireless

**Frequency**

900 MHz

**Protocol**

802.15.4

**Open Air Range**

400 feet

**Antenna**

Helical chip antenna

**Wireless Supervision**

Yes

**Encryption**

Yes

## Regulatory compliance

**FCC**

FCC ID: YL6-143IS300

**IC**

IC: 9111A-143IS300

**RoHS**

Compliant

**ETL**

Certified for UL 639 compliance

## Electrical data

**Operating Voltage**

2.3-3.5v

**Current Consumption (typical)**

<1mA

**Power Requirements**

2-AA 1.5v Lithium batteries

**Recommended Battery**

Energizer Ultimate Lithium (included)

**Battery Life (typical)**

Approximately 3 years

## System compatibility

The following tables outlines the panel or module requirements with LP Image Sensor models:

Panel type	Panel or module requirements	Image Sensor limit
2GIG GC3	<ul style="list-style-type: none"> <li>• Panel version 3.0.1+.</li> <li>• The 2GIG XCVR3 Transceiver Adapter for the Image Sensor must be installed in the panel.</li> </ul> <p><b>Note:</b> 2GIG may refer to the Image Sensors as 2GIG-IMAGE2 or IMAGE3.</p>	Ten
Interlogix Simon XT	<ul style="list-style-type: none"> <li>• Panel version 1.3+.</li> <li>• Alarm.com modules between versions:               <ul style="list-style-type: none"> <li>◦ 146 - 185 require an Image Sensor daughterboard is attached for compatibility.                   <ul style="list-style-type: none"> <li>▪ Zone 39 must be reserved for the Image Sensor daughterboard, which is hardwired to the panel.</li> </ul> </li> <li>◦ 187+ is compatible and does not require an Image Sensor daughterboard to be attached.</li> </ul> </li> </ul>	Three
Interlogix Simon XTi	<ul style="list-style-type: none"> <li>• Panel version 1.0+.</li> <li>• Alarm.com modules between versions:               <ul style="list-style-type: none"> <li>◦ 151 - 185 require an Image Sensor daughterboard is attached for compatibility.</li> <li>◦ 187+ is compatible and does not require an Image Sensor daughterboard to be attached.</li> </ul> </li> </ul>	Three

Panel type	Panel or module requirements	Image Sensor limit
Interlogix Simon XTi-5	<ul style="list-style-type: none"> <li>• All panel versions are compatible.</li> <li>• Alarm.com module version:               <ul style="list-style-type: none"> <li>◦ 177 -185 require an Image Sensor daughterboard is attached for compatibility.</li> <li>◦ 187+ is compatible and does not require an Image Sensor daughterboard to be attached.</li> </ul> </li> </ul>	Three
Interlogix Concord	<ul style="list-style-type: none"> <li>• Panel version 4.0+.</li> <li>• Alarm.com module version:               <ul style="list-style-type: none"> <li>◦ 177+ on CDMA or 173+ on HSPA with an Image Sensor daughterboard version 104.0+ attached to the module.</li> <li>◦ 187f+ on Dual-Path LTE. A daughterboard is not required for this module version.</li> </ul> </li> </ul>	Three
DSC Impassa	<ul style="list-style-type: none"> <li>• Panel version 1.3+.</li> <li>• Requires the Alarm.com module that come with the Image Sensor daughterboard attached. The SKU numbers for these Alarm.com modules are 3G8055(l) or CD8055(l).</li> </ul>	Three

Panel type	Panel or module requirements	Image Sensor limit
DSC PowerSeries Neo	<ul style="list-style-type: none"> <li>• Panel version 1.10+.</li> <li>• Alarm.com module versions:               <ul style="list-style-type: none"> <li>◦ 185 and lower must be one of the modules that come with the Image Sensor daughterboard attached. The SKU numbers for these Alarm.com modules are 3G8080(I) or CD8080(I).</li> <li>◦ 187+ is compatible and does not require an Image Sensor daughterboard to be attached.</li> </ul> </li> </ul>	Three
DSC PowerSeries Pro	<ul style="list-style-type: none"> <li>• Panel version 1.01+.</li> <li>• No additional daughterboard required since the communication hardware is built-in to the cellular module.</li> </ul>	Three
DSC Touch	<ul style="list-style-type: none"> <li>• All firmware versions of the DSC Touch are compatible.</li> <li>• No additional daughterboard required since the communication hardware is built-in to the panel.</li> </ul>	Five
Qolsys IQ Panel	<ul style="list-style-type: none"> <li>• All firmware versions of the Qolsys IQ panel are compatible.</li> <li>• No additional daughterboard required since the communication hardware is built-in to the panel.</li> </ul> <p><b>Note:</b> Qolsys may refer to the Image Sensor version 1 and 2 as QZ8100 and the Image Sensor version 3 as QZ8103.</p>	Five



Panel type	Panel or module requirements	Image Sensor limit
Qolsys IQ Panel 2	<ul style="list-style-type: none"> <li>All firmware versions of the Qolsys IQ Panel 2 are compatible.</li> <li>Requires the Qolsys Image Sensor daughterboard.</li> </ul> <p><b>Note:</b> Qolsys may refer to the Image Sensor version 1 and 2 as QZ8100 and the Image Sensor version 3 as QZ8103.</p>	Five

### Image Sensor service package add-ons

<b>Images - Alarms</b>	<ul style="list-style-type: none"> <li>50 motion-activated images per Alarm event, across all image-capturing devices, for up to 10 alarm events per month</li> </ul>
<b>Images - Limited</b>	<ul style="list-style-type: none"> <li>100 panel disarm and alarm image uploads over broadband only</li> </ul> <p><b>Note:</b> This add-on is included by default in the <i>Interactive</i>, <i>Interactive + Automation</i>, and <i>Commercial</i> packages.</p>
<b>Images - Plus</b>	<ul style="list-style-type: none"> <li>400 uploads per month for motion-activated alarm uploads and non-alarm (e.g., disarm, Peek-Ins, etc.) events with the base package, with a maximum of 40 uploads per month over a cellular network connection</li> <li>Up to 200 additional uploads per month can be added to the service package</li> </ul> <p><b>Note:</b> Alarm event uploads count towards the limit, but images are always taken in the event of an alarm regardless of if the upload limit was reached.</p>
<b>Extra Image Events</b>	<ul style="list-style-type: none"> <li>200 uploads per month, with a maximum of 20 uploads per month over a cellular network connection</li> </ul>

For additional information about service package add-ons, see [What do the Image Sensor service packages include?](#).

## Questions?

Contact your Alarm.com Account Executive or Dealer Development Associate. You can also reach Alarm.com Dealer Support at 1-866-834-0470 or [support@alarm.com](mailto:support@alarm.com).