
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

Dimensions (L x W x H)

3.0" by 1.8" by 1.8"

Enclosure Material

Fire resistant plastic (UL 94)

Enclosure Color

White

Weight

3.1 oz (with batteries, w/o mounting accessories)

Operating Temperature

Indoors (32-110°F for non pet applications;
60-110°F for pet applications)

Humidity

UL certified in up to 85% relative humidity

Static Immunity

Yes

Sealed Optics

No

RFI Immunity

Yes

Tamper Detection

Yes (orientation based detection)

Motion detection

Technology

Dual element PIR

Detection Range

35' with a 90° horizontal FOV

Lens Type

Fresnel lens

PIR Sensitivity

Remotely configurable; 3 levels

Pet Immunity

Yes with low sensitivity level only (up to 40 lbs)

PIR White Light Immunity

Yes

Walk Test Mode

Yes

Post Activation Idle Time

3 minutes (default when disarmed)



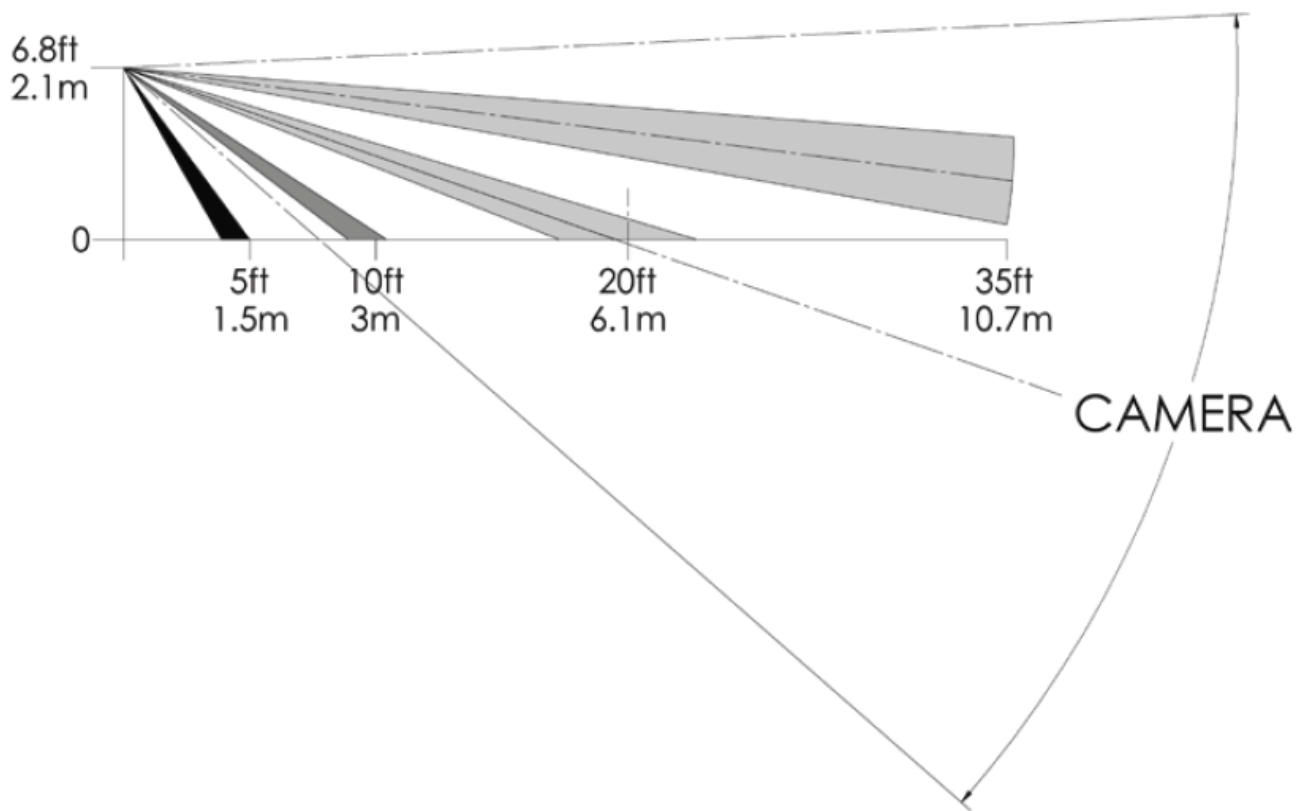


Figure 1. Side View: PIR Lens Coverage



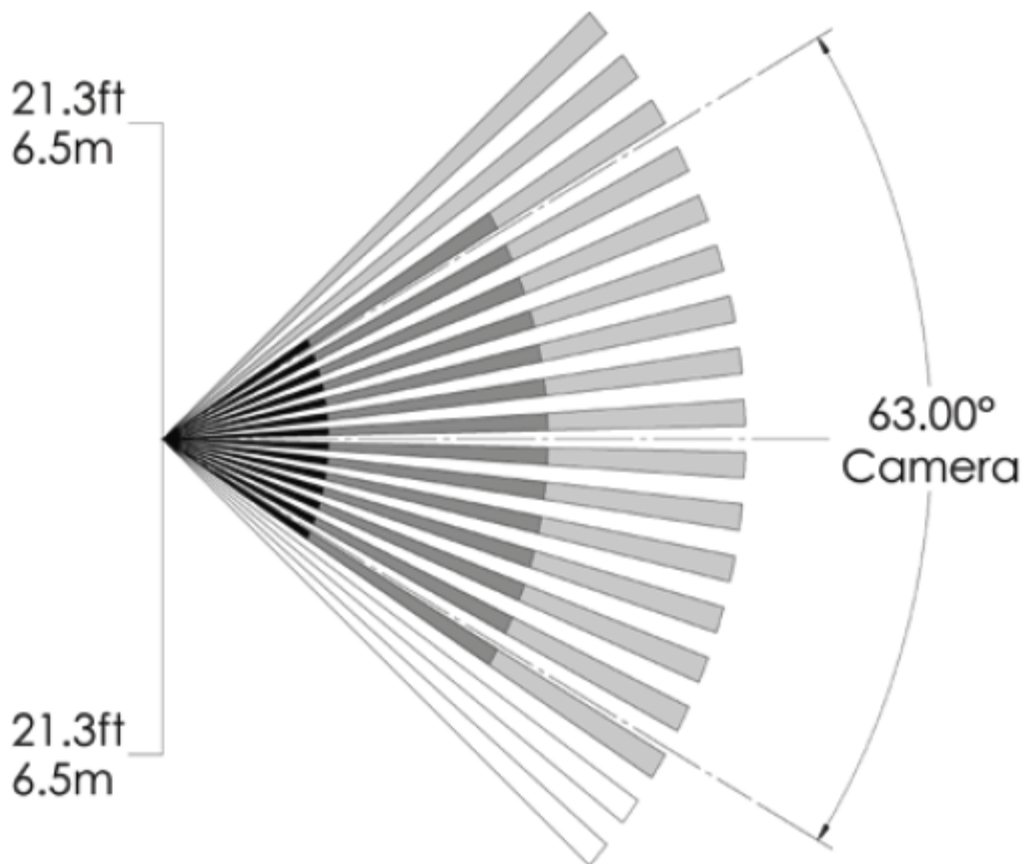


Figure 2. Top View PIR Lens Coverage

Camera

Camera Type

CMOS

Focus

1 ft. to infinity

Night Vision and Capture

Yes- automatic infrared flash (invisible 240mW)

Night Vision Range

Optimal within 20 feet

Minimum Illumination w/o IR Flash

3 lux

Motion Triggered Images

Yes

Images On-Demand

Yes

Image Resolution

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 table outlines the panel or module requirements with the Image Sensor Version 3:

Panel type	Panel or module requirements	Image Sensor limit
2GIG EDGE	- Panel firmware version A3.1.0.011+ - The 2GIG XCVR3 Transceiver Adapter for the Image Sensor must be installed in the panel	10
2GIG GC2e	- Panel firmware version 1.23+ - The 2GIG XCVR5e Transceiver adapter for the Image Sensor must be installed in the panel	3
2GIG GC3	- Panel version 3.0.1+. - The 2GIG XCVR3 Transceiver Adapter for the Image Sensor must be installed in the panel.	10
2GIG GC3e	- All panel versions are compatible. - The 2GIG XCVR3 Transceiver Adapter for the Image Sensor must be installed in the panel	10



Panel type	Panel or module requirements	Image Sensor limit
Interlogix Simon XT	- Panel version 1.3+. - Alarm.com modules between versions: 146 - 185 require an Image Sensor daughterboard is attached for compatibility. - Zone 39 must be reserved for the Image Sensor daughterboard, which is hardwired to the panel. 187-191j is compatible and does not require an Image Sensor daughterboard to be attached.	3
Interlogix Simon XTi	- Panel version 1.0+. - Alarm.com modules between versions: 151 - 185 require an Image Sensor daughterboard is attached for compatibility. 187-191j is compatible and does not require an Image Sensor daughterboard to be attached.	3
Interlogix Simon XTi-5	- All panel versions are compatible. - Alarm.com module version: 177 -185 require an Image Sensor daughterboard is attached for compatibility. 187-191j is compatible and does not require an Image Sensor daughterboard to be attached.	3



Panel type	Panel or module requirements	Image Sensor limit
Interlogix Concord	- Panel version 4.0+. - Alarm.com module version: 177+ on CDMA or 173+ on HSPA with an Image Sensor daughterboard version 104.0+ attached to the module. 187f-189f on Dual-Path LTE. A daughterboard is not required for this module version.	3
DSC Impassa	- Panel version 1.3+. - Requires the Alarm.com module that come with the Image Sensor daughterboard attached. The SKU numbers for these Alarm.com modules are 3G8055(I) or CD8055(I).	3
DSC PowerSeries Neo	- Panel version 1.10+. - Alarm.com module versions: 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). 187+ is compatible and does not require an Image Sensor daughterboard to be attached.	3
DSC PowerSeries Pro	- Panel version 1.01+. - No additional daughterboard required since the communication hardware is built-in to the cellular module.	3



Panel type	Panel or module requirements	Image Sensor limit
DSC Touch	- All firmware versions of the DSC Touch are compatible. - No additional daughterboard required since the communication hardware is built-in to the panel.	5
Qolsys IQ Panel	- All firmware versions of the Qolsys IQ panel are compatible. - No additional daughterboard required since the communication hardware is built-in to the panel. Note: Qolsys may refer to the Image Sensor version 1 and 2 as QZ8100 and the Image Sensor version 3 as QZ8103.	5
Qolsys IQ Panel 2	- All firmware versions of the Qolsys IQ Panel 2 are compatible. - Requires the Qolsys Image Sensor daughterboard. - The Qolsys IQ Panel 2 Plus is not compatible since it has a built-in PowerG daughtercard, which uses the same antenna as the Image Sensor daughtercard Note: Qolsys may refer to the Image Sensor version 1 and 2 as QZ8100 and the Image Sensor version 3 as QZ8103.	5

Image Sensor service package add-ons

All service package options have upload limits that reset on the first day of each month. If the upload limit is reached in the previous month, the Image Sensor will resume uploading images according to its capture rules the following month. Images captured during an alarm always upload even if the upload limit is reached.



Note: Unused Image Sensor uploads do not carry over from month to month.

Images - Alarms	• 50 motion-activated images per Alarm event, across all image-capturing devices, for up to 10 alarm events per month
Images - Limited	• 100 panel disarm and alarm image uploads per month. The panel may need to be connected to Wi-Fi. Reference the service package for details. Note: This add-on is included by default in the <i>Interactive</i>, <i>Interactive + Automation</i>, and <i>Commercial</i> packages, and only applies to customers using a panel with a panel camera.
Images - Plus	• 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 • Up to 200 additional uploads per month can be added to the service package Note: 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.
Extra Image Events	• 200 uploads per month, with a maximum of 20 uploads per month over a cellular network connection

Note: For Qolsys panels, *Image Upload Count* displays in the service package. This option only applies towards the number of PIR camera images that get uploaded for each alarm event. For more information, see the panel-specific guide for [Viewing the PowerG PIR camera images](#).

For additional information about service package add-ons, see [What image captures are included in each Images service package?](#)

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.

