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 View modem information, supported add-ons, and available remote commands for a 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)
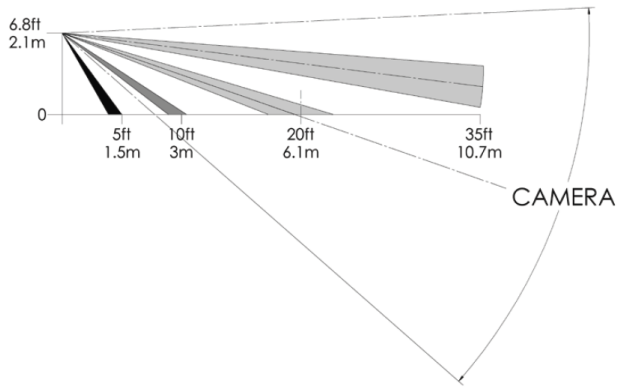
Figure 1. Side View: PIR Lens Coverage
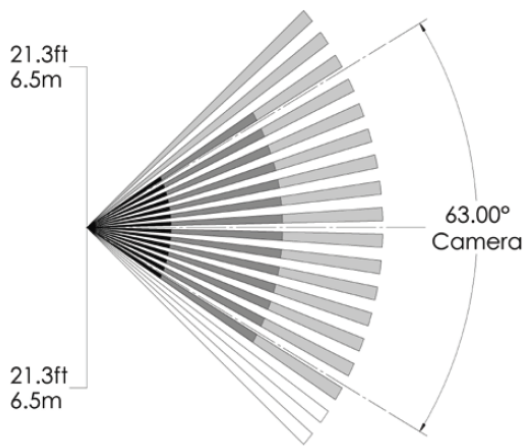
Figure 2. Top View PIR Lens Coverage

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

Interlogix Simon XT	• Panel version 1.3 & up • Alarm.com module with firmware version 146 & up • Image Sensor daughterboard for modules 185 or lower • Device limit 3 image sensors
Interlogix Simon XTi	• Panel version 1.0 & up • Alarm.com module with firmware version 151 & up • Image Sensor daughterboard for modules 185 or lower • Device limit 3 image sensors
Interlogix Concord	• Panel version 4.0 & up • Alarm.com module with firmware version 177 & up for CDMA and 177 & up for HSPA 183 & up • Image Sensor daughterboard version 104.0 & up or built-in radio with module versions 187+ **Note**: Image Sensor is not supported in the initial release of the Interlogix Concord module version 187. Future functionality will be brought via an Over-The-Air (OTA) firmware update • Device limit 3 image sensors (must all be on the same partition)
DSC Impassa	• Panel version 1.3 & up • Alarm.com module with SKU 3G8055(I) or CD8055(I) • Device limit 3 image sensors
DSC PowerSeries Neo	• Panel version v1.10 & up • Alarm.com module with SKU 3G8080(I), SKU TL880LT, or CD8080(I) • Device limit 3 image sensors

DSC Touch	• All panel versions • No daughterboard needed • Device limit 5 image sensors
Qolsys IQ Panel	• All panel versions • No daughterboard needed • Device limit 5 image sensors
Qolsys IQ Panel 2	• All panel versions • Requires daughterboard • Device limit 5 image sensors
2GIG GC3	• Panel version 3.0.1 & up • 2GIG XCVR3 Image Sensor Dongle • Device limit 10 image sensors
Alarm.com Base Service Packages	• Images—Alarms is included in the Interactive and Interactive + Automation service package • Images—Plus is included in the Interactive Gold service package
Alarm.com Add-On	Images—Alarms or Images—Plus plan required for image functionality

Image Sensor Service Package Add-ons

Images - Alarms	Captures motion-activated images during alarms; No limit on number of alarms per month; Up to 5 sets of images per alarm automatically transmitted to customer
Images - Plus	Includes Image Sensor Alarms Package; Also adds increased property awareness with images on disarm, on-demand peek-ins, and daily views

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.