



English  
**Swann**<sup>TM</sup>  
*Advanced-Series*



**ADS-120**

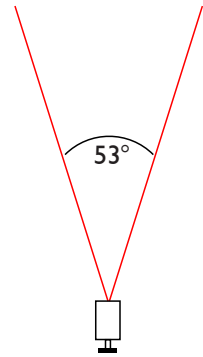
# About the Camera

Congratulations on your purchase of this ADS-120 from *Swann*! You've chosen a great little self contained, easy to install entry-level CCTV camera. This manual will walk you through positioning, installing, connecting and using your camera, and offer some tips to help you get the most out of your security monitoring system.

## What will it see?

The ADS-120 has a **3.6mm, 53° lens** built-in which allows it to focus its attention onto one specific area. What does this mean for you when placing it?

- The camera will focus on the one particular area in front of the lens, but won't see much happening to the sides of it. You'll need to aim the camera specifically at what you want to see.
- Objects and people will look like they are slightly closer to the camera than they really are. You'll be able to monitor a space which is as long (or longer) than it is wide.



The ADS-120 is great for monitoring long, narrow spaces such as hallways or corridors. It's also great for monitoring a specific space, such as a doorway, smaller room or staircase.

It's best mounted high-up in a corner looking down into the room, so that it can look over intervening obstacles. Also, the higher the camera is mounted, the harder it'll be for an intruder to access the camera or interfere with it.

## Rules is Rules

Regardless of all the tweaking of the lens and image processing you do, there are a few immutable things that are true for all cameras, CCTV or otherwise.

- **The closer the camera is to what you want to see, the more detail you're going to get.** Really, there's no substitute for proximity.
- **Areas with varied lighting conditions are hard to view completely, with any camera.** If the bright bits are exposed correctly, then the shadows will "black out". If the shadowy areas are exposed correctly, then the bright bits will overexpose and "white out". ***Aiming the camera at an evenly lit area will always give the best results.***
- **That "image enhancement" stuff that they do on CSI or 24 is all lies.** You can't zoom in indefinitely on a video image. Licence plates are only readable from a dozen or so feet (a few meters) away. If someone's head is represented by three pixels, that's it. Sorry. This is technology, not magic. This is a great entry-level CCTV camera, but it's still an entry-level CCTV camera - it can't see much better than you can! Still, it does make for good television.

## Choosing a Location

The ADS-120 can be mounted just about anywhere indoors, provided there is some protection against direct sunlight.

*Some of the things you'll have to consider when choosing a location are:*

- What you want to monitor, and where you'll get the best view of it.
- How you're going to connect the camera to your monitoring system.
- How to keep the camera out of harm's way. Up high in protected corners is a good option.

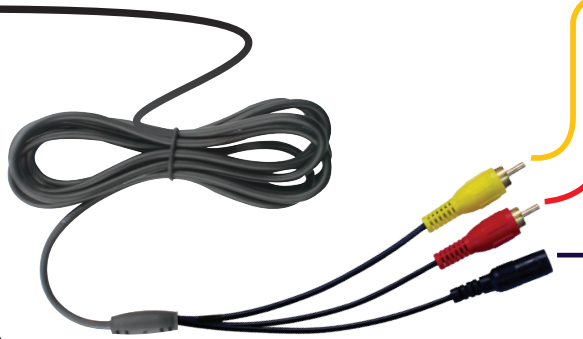
## Mounting

The camera mounts onto a flat surface using screws. The surface must have sufficient strength to hold the camera. Materials such as hardwood, brick or masonry are good options, and we've included all the gear you'll need to mount it there (except the tools - sorry, you'll still need your own drill). You can mount the camera onto a metal surface, but you'll need to supply your own mounting hardware.

*To mount the camera:*

- Using the holes on the camera stand as a guide, mark the locations on your wall/ceiling to drill. Make sure the wall/ceiling is thick and strong enough that you won't drill through it.
- If the wall is masonry, brickwork or similar, use the provided wall plugs. If the wall is made of wood, then the camera can be screwed directly onto the wall.
- Once the camera has been mounted, ensure that it is securely fixed in place.

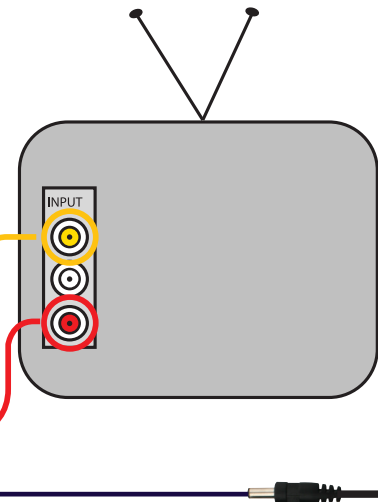
# About the Camera



- 1 Connect the provided Audio / Video cable into the connection located at the back of the ADS-120. Do not force the cable as it can only be inserted into the connection the one way. Be careful not to bend the pins inside the connection.



2



**3** Connect the provided power adapter to the DC input located on the cable. Plug the power adapter into a wall socket.



### Connecting to your existing DVR

As most DVRs have BNC sockets, your DVR should have been provided with a BNC to RCA adapter. Connect this to one of the inputs on your DVR then connect the yellow RCA connection to the BNC to RCA adapter. If your DVR has an audio input, connect the red RCA connection to the audio input as well.

### Connecting directly to your TV

Connect the yellow and red RCA connections to the video and audio input on your TV. The yellow RCA connection connects to the video input and the red RCA connection connects to the red audio input. If you have a mono TV then connect this to the white audio input.

# Troubleshooting

**Problem:** I don't see an image on the TV or the DVR.

**Solution:** Check that you have the audio / video cable connected correctly into the connection located at the back of the ADS-120. Check that you have connected the yellow RCA connection to the correct input on the TV. Make sure you have selected the appropriate video input option on the TV. Consult the TV manual for further assistance with selecting the correct A/V connection. On the DVR, check that the BNC to RCA converter is securely fastened to the BNC socket. Make sure the power adapter is plugged into the wall socket and the DC input on the camera cable.

**Problem:** I can't see anything at night.

**Solution:** The ADS-120 camera is designed for day time use only. It does not have infrared capabilities built-in.

**Problem:** I cannot hear any audio or the audio level is quite low.

**Solution:** The maximum range of the built-in microphone is nearly 10 feet / 3 meters. The microphone will not pickup audio from people or objects that are further than this. If they are less than 10 feet / 3 meters, check that you have the red RCA connection connected to the correct audio input and try increasing the volume on your TV or DVR.

# Technical Specifications

## Technical Specifications

### Video

Image Sensor	SwannTruColor (STC)
Video Quality	520 TV Lines
Effective Pixels	NTSC & PAL: 640 x 480
Min. Illumination	1 Lux
Day/Night Mode	Day only
White Balance	Automatic
Gain Control	Automatic
Backlight Comp.	Yes
Wide Dynamic Range	No
Lens	3.6mm F2.2
Viewing Angle	53 degrees

### Audio

Microphone	Yes
Audio Range	10ft / 3 meters

### General

Indoor / Outdoor	Indoor
Operating Power	DC12V +/-10%
Operating Temp.	14°F ~ 122°F / 10°C ~ 50°C
Body Construction	Aluminium
Dimensions (Camera & Stand)	1.5" x 1.2" x 1.7" / 40mm x 35mm x 45mm
Weight (Camera & Stand)	0.4lbs / 0.2kg
Cable Length	60ft / 18 meters

# Helpdesk / Technical Support Details

## Swann Technical Support

All Countries E-mail: [tech@swannsecurity.com](mailto:tech@swannsecurity.com)  
Telephone Helpdesk

### USA toll free

1-800-627-2799

(Su, 2pm-10pm US PT)

(M-Th, 6am-10pm US PT)

(F 6am-2pm US PT)

### USA Exchange & Repairs

1-800-627-2799 (Option 1)

(M-F, 9am-5pm US PT)

### AUSTRALIA toll free

1300 138 324

(M 9am-5pm AUS ET)

(Tu-F 1am-5pm AUS ET)

(Sa 1am-9am AUS ET)

### NEW ZEALAND toll free

0800 479 266

### UK

0203 027 0979

See <http://www.worldtimeserver.com> for information on time zones and the current time in Melbourne, Australia compared to your local time.

## Warranty Information

Swann Communications USA Inc.  
12636 Clark Street  
Santa Fe Springs CA 90681  
USA

Swann Communications  
Unit 13, 331 Ingles Street,  
Port Melbourne Vic 3207

Swann Communications LTD.  
Stag Gates House  
63/64 The Avenue  
SO171XS  
United Kingdom

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from its original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferable to any third party. Unauthorized end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.

By law some countries do not allow limitations on certain exclusions in this warranty. Where applicable by local laws, regulations and legal rights will take precedence.



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### FCC Verification

This equipment has been tested and found to comply with the limits for 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 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 the 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

**WARNING:** Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.