



T850

Day & Night Security Camera

For use with Swann 4500 DVR



INSTRUCTION MANUAL

MT850_091014E | © Swann 2014

Before you begin

Introduction

Congratulations on your purchase of this T850 Day & Night Security Camera from Swann. This camera can operate in almost all lighting conditions, from bright daylight (provided it's not pointed straight toward the sun) to pitch darkness.

The camera is very sensitive to light and therefore can make use of even the smallest amount of light to provide an image of what it sees. In low light, this comes through as a black and white image.

In complete or near-total darkness, the camera uses built-in infrared LEDs to illuminate the area in front of it. This light is invisible to the human eye, although you might notice a faint red glow coming from the front of the camera - this is normal.

In day or well-lit environments, the IR Cut Filter feature of the camera activates to filter out wavelengths of light the camera does not need in order to provide a clear colour image.

Important note - All jurisdictions have specific laws and regulations relating to the use of cameras. Before using any camera for any purpose, it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and to comply with the applicable laws and regulations.

Warning - Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

Important safety instructions

- Make sure product is fixed correctly and stable if fastened in place.
- Do not operate if wires and terminals are exposed.

Choosing a location for the Camera

The camera is very flexible, and can be installed practically anywhere. 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; remember that cables and connections should be kept out of the weather.
- How to keep the camera out of harm's way.

Things to consider when placing your camera -

- Place your camera as close to the area of interest as practicable. The best position is from about 4m (13ft) above looking slightly down, keeping in mind the details you are looking for such as faces and vehicle number plates.
- Although the sky looks nice when you look at the live view from your camera, it is an unlikely direction for an offender to approach, make sure your camera has minimal sky in it as the light in daylight can make the foreground of the image darker.
- Think about the most likely way a potential offender may approach your home, use your cameras to give you the best coverage of these areas.

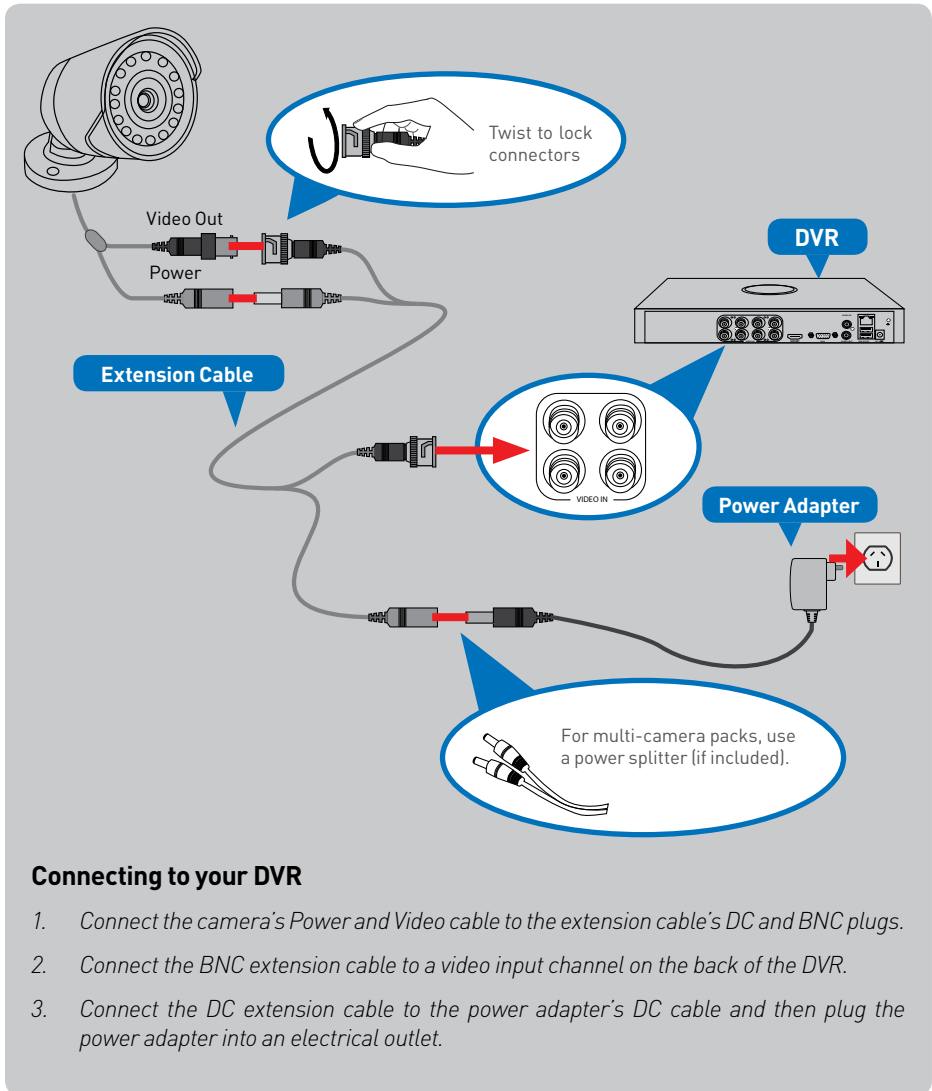
Weather & Tampering

- The camera's casing is resistant to water, different weather conditions and tampering. It would take an overwhelming event of this kind to damage the housing of the camera. However, the cable and connector are vulnerable and require protection.
- Even though the camera is weather and water-resistant, prolonged exposure to adverse weather conditions (direct sunlight or excessive moisture) may eventually damage the internal components of the camera and adversely affect its performance. Install the camera in a shady spot!

Positioning the Cables

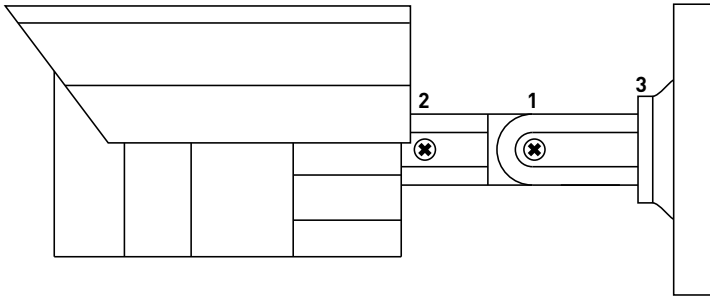
- When running your cable, try to avoid bending it at sharp angles.
- Don't put your cable near live electrical wiring. AC electricity generates radio "noise" which can interfere with the signal from your camera.

Before you begin



Please note - Images are for illustrative purposes only. Specifications subject to change without notice. For the latest version of this manual, please visit (www.swann.com).

Mounting your Camera



You've got three points of articulation. The most obvious is the screw-secured elbow joint in the centre of the stand (1). This one is pretty obvious and straight forward – loosen the screw, adjust to the position you want, and then tighten the screw again to secure in place.

The second point of articulation (2) is the radial joint where the neck of the stand attaches to the base. To adjust this joint, loosen the locking ring by rotating counter-clockwise. Rotate the camera and stand to the position you want then tighten the locking ring. By using articulation points 1 and 2, you can aim the camera in virtually any direction.

Point 3, located where the camera attaches to the stand, and is held in place by one locking screw. Like point 2, it is a radial joint, allowing you to rotate the camera so that no matter how points 1 and 2 are configured, the camera can still face upright. Simply loosen the screw, rotate the camera to the upright position (so that up in your pictures is actually up) then tighten the screw to lock into place.

Of course, there will always be some outlying cases where the camera and stand simply won't fit where you want to mount them. Maybe you have a hanging awning, or a drain pipe in an inconvenient spot. In these cases, we suggest obtaining a mounting bracket, which should be available from any good hardware store.

Troubleshooting

On my Swann DVR, 'Video Loss' appears where the image from my camera should be?	<ul style="list-style-type: none"> • Check the extension cable (power and video) is securely connected to the camera. • Check the video output from the camera is securely connected to a video input channel on the DVR. • Check the power from the camera is securely connected to a power supply.
When I view an image from the camera at night I only see a bright spot and no image.	<ul style="list-style-type: none"> • A reflection can be caused in night vision mode if the camera is looking through a window. Move the camera to the other side of the window or to another location.
Why can't I see anything at night?	<ul style="list-style-type: none"> • The range of the IR light provided by the LEDs in the camera is limited, objects outside this distance will not benefit from the IR lights. • Some objects do not reflect as much light as others, see if you can get a friend to help out by testing the range and direction of the cameras IR light to make sure you get the best image.
I need longer cables for my installation.	<ul style="list-style-type: none"> • Swann provide cables that are a suitable length for most installations, but some users will still need that little bit more so we sell a range of extension cables of various length, see our website for more details.. • Although it is possible to use joiners to combine two cables, we recommend one single length for the best results. • Swann use the RG59 cable standard, coaxial cables made to this standard will also work but may involve more difficult installation and termination. Make sure you consider power if you use coaxial cable.

Helpdesk/Technical Support

Technical Support Email: tech@swann.com

Telephone Helpdesk

USA Toll Free 1-800-627-2799

USA Parts & Warranty 1-800-627-2799

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

AUSTRALIA 1300 138 324

NEW ZEALAND Toll Free 0800 479 266

UK 0203 027 0979

Limited Warranty Terms & Conditions

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.

For Australia: Our goods come with guarantees which cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to major failure.

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

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) These devices may not cause harmful interference, and
- (2) These devices must accept any interference received, including interference that may cause undesired operation.

