



English



**1080p SDI
Video / Dome Camera
for use with 1080p
Swann SDI DVRs**

M871_876CAM250313E

Warranty Information, Verifications & Warnings

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.

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

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.

FCC Verification

NOTE: 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:

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

Introduction

Congratulations on your purchase of this **Swann SDI Video / Dome Camera!**

This installation and setup guide will walk you through the basics of:

- **Mounting your camera**
Choosing a location, Aiming the camera, Suitable mounting surfaces
- **Connecting the camera**
Where to connect power, How to run cables for improved weather-resistance
- **Configuring the camera (optional)**
Using the OSD to alter your image settings for maximum personalization

Your package contains:

- 1, 2 or 4 SDI Video / Dome Camera(s)
- 1, 2 or 4 DC / Video Cable(s)
- 1 x Power Adapter
- 1 x 2-way DC Power Splitter **and**
/ or 1 x 4-way DC Power Splitter
(2 and 4 camera packages only)
- Mounting Hardware
- Security Notification Stickers
- Operating Instructions



The SDI Video / Dome 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.

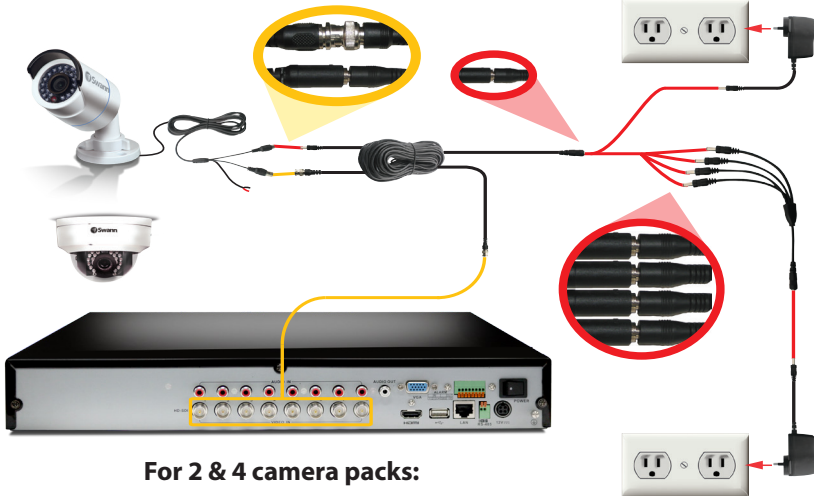
It has an OSD (on-screen display), that you can access to change various options for image quality, white balance and shutter speed.

Connection Diagram

Connect the camera's DC and BNC socket cable to the extension cable's DC and BNC plugs. Then connect the BNC extension cable to an open channel on the back of the DVR.

For a single camera:

Connect the extension cable's DC socket to the DC plug on the power adapter.



For 2 & 4 camera packs:

Connect the extension cable's DC socket to the multiple sockets on the power splitter. Then, plug the single end of the power splitter to the DC plug on the power adapter.



RS485 connection:

The RS485 connection requires a plug to be attached to the wire terminals provided using **RED** to + and **BLACK** to - as marked on the plastic sheath of the connector near the screws. Use a precision flat-head screwdriver and ensure the wires are held firmly and won't slip out over time. Don't use too much force when tightening the screws. Also, the PTZ address needs to be changed for the RS485 control to work - see page 26 of the DVR's user manual.

Choosing a Location for Your Camera(s)

There are a number of factors you will need to consider when choosing where to mount your camera - not least of which is what you will want to see.

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 (severe weather such as hurricanes or someone intentionally damaging the lens would be enough). However, the cable and connector are vulnerable and require protection.

Cable Management

For best results, run the cables inside a wall cavity or other protected enclosure, and ensure that all connections (DC power, video and the RS485, if connected) are safely sealed away from rain, direct sunlight and potential vandals.

General Guidelines

- The internal components of the camera can be damaged by prolonged exposure to direct sunlight. Don't let direct sunlight into the lens!
- The camera gets great images when it's in the shade, looking at subjects that are well lit. Don't place the camera in bright light and have it facing shade or darkness.
- Bright light sources to the sides of, or behind the subject will interfere with your images.
- The camera's night vision will give well-exposed images if the area is dark. However, if there's a bright point source in the camera's view (a streetlight, car headlights or similar) then it might not engage night vision mode.
- Typically, the best view is obtained approximately 7ft (2m) to 10ft (3m) high, looking slightly downwards.
- The camera can be mounted to a wall or ceiling.

Adjusting the Camera Settings

Aiming the Video Camera

Loosening the locking ring will allow you to rotate the barrel of the camera, so no matter what direction it faces, you can spin the camera so that your images are correctly oriented.



Aiming the Dome Camera

1. Loosen the three hex screws with the provided hex tool to remove the dome cover.
2. Remove the protective plastic cover.
3. Loosen the screws on each side and adjust the lens according to your needs. Tighten the screws when you have finished, place the protective plastic cover and put the dome cover back on. Make sure the three hex screws are securely fastened.



Re-attaching the dome cover

When re-attaching the dome cover, ensure the foam ring that is fitted around the lens is tight against the inside of the clear plastic dome. This will isolate the camera lens from the infrared LEDs and help cut down the light reflecting into the lens. It is very important that you do this; otherwise you may not get a clear picture during night vision. If you see bright spots in the picture, remove the dome cover and adjust the foam ring accordingly.



Mounting Guide

- Position the camera in the location you want to mount it, and mark the position on the surface to position the screws.
- If you're mounting to a wooden surface, then screw the camera directly to the surface.
- If you're mounting to a masonry surface (bricks, concrete or similar) then you'll need to use the included wall plugs.
- For the Dome Camera, you need to loosen the three hex screws with the provided hex tool to remove the dome cover. Make sure the screws that you are going to use do not protrude beyond the mounting holes; otherwise the dome cover can't be fastened securely.

Adjusting the Camera Settings

The camera's on-screen display (OSD), can be controlled in multiple ways. You can use the DVR's PTZ interface or you can use the camera's joystick control.

- The joystick has a middle button that you click to open the OSD menu. This button is also used to select an option that you want to alter.
- Use the joystick to control the up/down arrows to navigate and the left/right arrows to adjust options.



Clicking the joystick control opens the OSD menu, and acts as **Select** thereafter.

Pushing the joystick control **Left/Right** is used to select an option for that setting.

Pushing the joystick control **Up/Down** is used to select settings to edit.

There are many options available in the OSD menus - many more than we can talk about here, and we're constantly adding or tweaking options to ensure you have the best experience possible.

Download a guide to the advanced OSD features of this camera from www.swann.com/osdpro if you want to know more.

Notes

Helpdesk / Technical Support Details

Swann Technical Support
All Countries E-mail: tech@swann.com

Telephone Helpdesk

USA toll free
1-800-627-2799

AUSTRALIA toll free
1300 133 324

USA Exchange & Repairs
1-800-627-2799 (Option 1)
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