Helpdesk / Technical Support Details

Swann Technical Support
All Countries E-mail: 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 90670
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 it's 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.

English

PRO-SERIES

PRO-671 Dome

M671CAM080411E
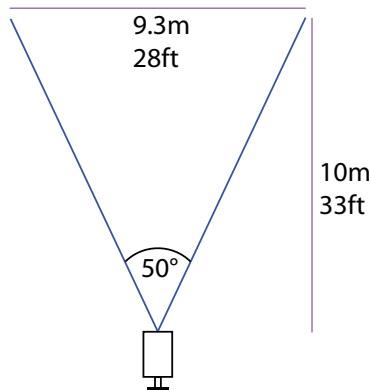
Congratulations on your purchase of this PRO-671 from *Swann*! You've chosen well: we think this is one of the finest CCTV video cameras available. The PRO-671 is great for monitoring a wide open space whilst maintaining a high level of detail, even in low-light situations.

Placement Guide

The PRO-671 has a **6mm, 50° 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.

9.3m
28ft

10m
33ft

50°

The PRO-671 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.

Typically, it is best mounted a corner looking across and down into the room, so that it can look over intervening obstacles. The higher the ceiling the camera is mounted on, the more it will be able to see and the harder it'll be for an intruder to access the camera or interfere with it.

Tips: Positioning and Orienting

- Try to aim the camera at an area which is evenly lit, as objects or people in shadows near brightly lit objects are very hard to see.

- It's better to have the camera in the shade looking into the light than vice-versa.

- Avoid having bright light sources in your image. This includes the obvious (such as the sun or an artificial light source) but also things such as reflections. Cars are notorious for reflected light sources, as are buildings with a lot of windows, mirrors and so forth.

Technical Specifications

Video

Image Sensor	1/3" CCD
Video Quality	600 TV Lines
Effective Pixels	NTSC: 768 x 494
	PAL: 752 x 582
Min. Illumination	0 Lux (IR on)
White Balance	Automatic / Custom / Manual
Electronic Shutter	NTSC: 1/60 ~ 1/100 000
	PAL: 1/50 ~ 1/100 000
Gain Control	Automatic / Manual
Backlight Comp.	Yes (Adjustable)
Wide Dynamic Range	Yes (Adjustable)
Lens	6mm
Viewing Angle	Avg: 50° (H: 53°, V: 45°)

Night Vision

Range	Up to 35m (114ft)
IR Cut Filter	No
Number of IR LEDs	36
Infrared Wavelength	850nm
IR LED Life (Average)	10, 000 hours

General

Operating Power	DC 12V
Operating Temp.	-20°C ~ 45°C (-4°F ~ 113°F)
Casing	Aluminium
Dimensions	120mm x 120m m x 100mm (4.8" x 4.8" x 4")
Weight	620g / 1.36lbs (approx)

Installing the Camera

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 small hex key (supplied), undo the three small locking bolts on the sides of the PRO-671 dome.
- Remove the top parts of the dome, consisting of the camera itself and the dome cover.
- Attach the base plate of the dome to the ceiling or wall in the position you'd like using the supplied screws. If mounting to brickwork, concrete or other masonry surface, use the included wall plugs.
- Aim the camera in the direction you'd like. It can help to move a monitor or television out to the camera's location to ensure you get it aimed and positioned properly.
- Once the camera is aimed, re-attach the dome cover.

Tips: Positioning your 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.
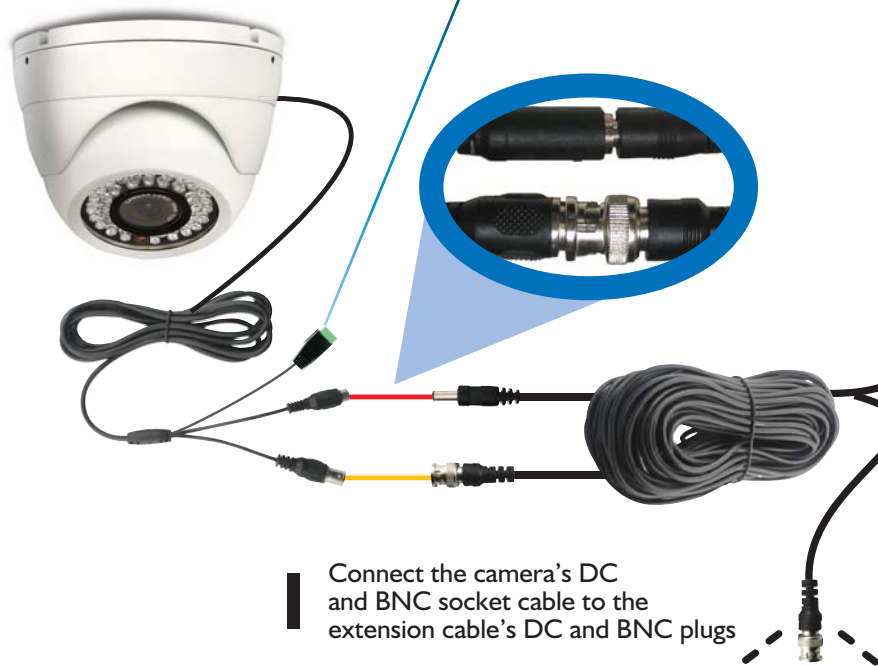
Tips: Weather Resistance

- The PRO-671 is built to be weather resistant. It'll stand up to getting wet occasionally, but it's not intended to be underwater all the time. When mounting the camera, ensure that it's not in a location where water is likely to pool or build up over time.
- Long term exposure to direct sunlight will adversely affect the camera. Over time, the infrared and ultraviolet radiation will eventually begin to degrade the integrity of the plastic and rubber components of the dome (particularly the seals, cable, protectors and so on). Basically, put it in the shade!
- The dome itself is weather resistant, but the cables (most importantly the plugs) are not. Ensure that all wiring and the connectors are suitably insulated and protected from moisture and sunlight.

Tips: Night Vision

- Don't place the camera so that there are any objects near the lens. Even transparent or seemingly inconsequential objects (such as glass or spider's webs) will reflect infrared light, and effectively blind the camera at night.

Problem: At night, all I see is white.

Solution: The camera is most likely looking through a window. At night, the infrared light the camera uses to see in the dark can 'bounce back' off a reflective surface (such as glass, water, spider webs, some ceramics and so on) and effectively blind the camera. If you want to see outside, mount the camera outside - we made it weatherproof for a reason!

Problem: I see only a blank screen where my image should be.

Solution: Check the wiring to the camera, and ensure the camera is being supplied power from the included power adapter. Try using a different video lead, or connecting the camera to a different television or monitor. Be sure there are no devices interrupting your signal, such as a DVR or VCR that isn't outputting the signal correctly.

Problem: I can't see anything at night.

Solution: The maximum range of the night vision is just that, the maximum range. If there's nothing in this range, you won't see anything. Also, some dark objects (like the proverbial black cat) may not reflect enough light to be seen except as a silhouette if the background is brighter. Some objects which can easily be seen in visible light don't reflect much infrared light.

On Screen Display (OSD)

The green RS485 plug coming from the camera allows you to attach the included OSD controller.

The OSD is an optional, advanced feature. The camera will work perfectly well if you never attach the OSD controller - it will regulate all its settings automatically.

The OSD controls are many and varied, and there's simply not enough room in this manual to cover it. You can download an in-depth guide to the OSD from our website, located at:

www.swann.com/osdpro

The green plug is used to connect the OSD (on-screen display) controller. This is an advanced feature, and recommended only for experienced users. To access a comprehensive guide for the advanced features of this camera, log onto our website at:

www.swann.com/osdpro

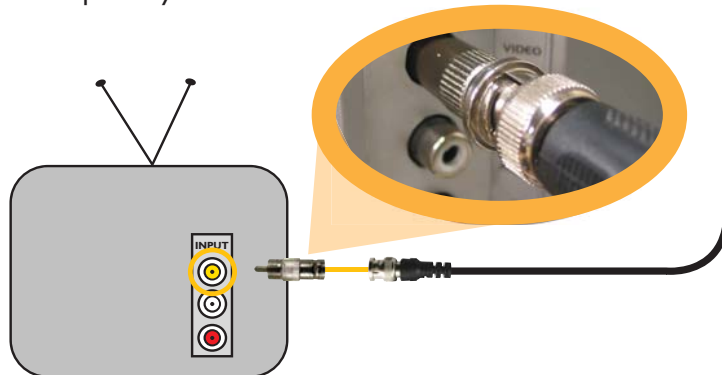**3** Connect the extension cables DC socket to the DC plug on the power adapter

4 Plug in the camera power adapter into a wall socket

1 Connect the camera's DC and BNC socket cable to the extension cable's DC and BNC plugs

2A. Connecting Directly to TV

2 Connect a BNC to RCA adapter and connect to video input on your TV or VCR

INPUT

2B. Connecting to Your Existing DVR

2 Connect the BNC extension cable to an open channel on the back of the DVR