



English

**Swann**<sup>TM</sup>

***PRO-SERIES***



**PRO-761 Dome**

M761CAM190312E

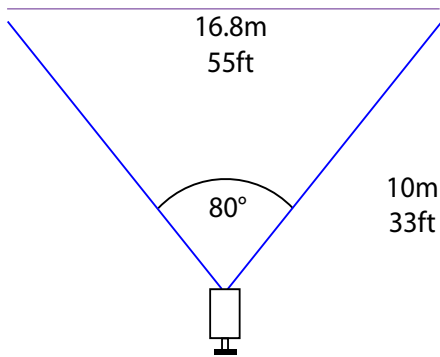
# About the Camera

Congratulations on your purchase of this PRO-761 from *Swann*! You've chosen well: we think this is one of the finest CCTV video cameras available. The PRO-761 is great for monitoring a wide open space whilst maintaining a high level of detail, even in low-light situations.

## Placement Guide

The PRO-761 has a 3.6mm **wide-angle lens** built-in which allows it to see almost 80 degrees horizontally. What does this mean for you when placing it?

- You will be able to see a **really wide area**. If it's mounted high up in a square corner, you'll probably be able to see along both walls. You'll be able to monitor a large area with only one camera.
- Things may look further away than they really are. Anything further than a few meters (ten feet or so) from the camera may appear to be too small for the level of detail you require.
- Vertical and horizontal lines might appear curved when they near the edge of the camera's view. This is normal, and it's the side effect of cramming so much viewing area onto one screen.



The PRO-761 is great for monitoring rooms or areas as wide as, or wider than, they are long. For really wide areas, you may need a second camera.

Typically, it is best mounted in 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:

- 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.

# Mounting and Installing

## Installing the Camera

The camera mounts onto the underside of a flat, vertical or horizontal 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 two locking screws on the sides of the PRO-761 dome.
- Remove the top of the dome.
- Attach the base plate of the dome to the wall/ceiling in the position you'd like using the supplied screws. If mounting to brickwork, concrete or other masonry surface, use the included wall plugs.



*The three screw holes, as seen from above.*

- 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. Ensure that the black, protective plastic isn't obscuring the camera's vision.

### 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: **Weatherproofing**

- The PRO-761 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 cover, reducing transparency and making it brittle (and, therefore, more vulnerable to vandalism or accidental damage). Basically, put it in the shade!

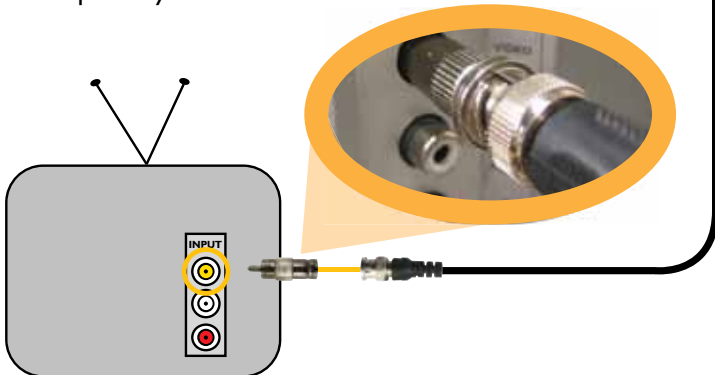
# Connection Guide



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



**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](http://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



## 2B. Connecting to Your Existing DVR

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



**Problem:** At night, all I see is white.

**Solution:** The camera is most likely looking through a window. At night, the light from inside the room 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 weather resistant 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 PRO-761 dome has great low-light vision (it'll see better in the *near* dark than you do) but it's just that - *low* light vision. It does need some light to see!

Security light sets (essentially spotlights triggered by a passive infrared sensor [PIR]) are a good solution if you need targeted light - they're available from most good hardware stores.

## **Some additional, technical remarks: *Low Light Vision***

- At 0.01lx, you'll get an image (enough to see something moving, for example) but it will be very difficult or impossible to see any useful details.
- At 0.1lx the quality will be significantly improved (enough to see an outline of WHAT is moving).
- However, you'll probably want to increase the amount of light significantly (to 1lx or more) before you'll be able to tell *who* is moving about!

Under artificial lights, the average room is illuminated to somewhere in the vicinity of 40 ~ 60lx. If you've got bright lights and white walls, it may push over 100, whereas dim lights (or energy saving lamps) and dark walls might put the value below 20lx. The PRO-761 should work in these conditions, but there's really no substitute for actually shining a light on what you want to see.

# Technical Specifications

## ***Technical Specifications***

### **Video**

Image Sensor	1/3" Sony 'Effio' CCD
Video Quality	700 TV Lines
Effective Pixels	NTSC: 976 x 494 PAL: 976 x 582
Min. Illumination	0.1 Lux
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	3.6mm
Viewing Angle	Avg: 75° (H: 80°, V: 70°)

### **Night Vision**

Range	None
IR Cut Filter	No
Number of IR LEDs	0
Infrared Wavelength	NA
IR LED Life (Average)	NA

### **General**

Operating Power	DC 12V @ 300mA
Operating Temp.	-20°C ~ 45°C (-4°F ~ 113°F)
Casing	Aluminium
Dimensions	110mm x 110mm x 70mm (4.33" x 4.33" x 2.75")
Weight	368g / 0.8lbs (approx)

# Helpdesk / Technical Support Details

**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

### USA

Swann Communications USA Inc.  
12636 Clark Street  
Santa Fe Springs CA 90670  
USA

### Australia

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

### United Kingdom

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 labor 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 centers. 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

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



**Swann.**

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