

## DVR4-Advantage™ Quality Monitoring & Recording

4 Channel Digital Video Recorder for Set & Forget Surveillance



With Motion  
Detection



- Easy installation, 'set & forget' operation
- Connect DVR to your PC via built-in USB port\*
- Use with any TV, monitor & security cameras
- Features motion detection and video loss alarm function
- High quality color video at 25/30fps recording/playback in quad mode
- PTZ - Control pan tilt zoom from front panel or remote control
- Includes an 80GB Hard Drive and Day/Night Color Security Camera

### ? FAQs

- Is the DVR4-Advantage easy to install?
- How much hard drive is used when recording 4 cameras?
- Is there a hard disk drive fitted to the DVR4-Advantage?
- I have fitted a new hard drive to my DVR4-Advantage and it is working some times, but when I set it for motion activation the hard drive stops working, what is causing this?
- Can I see pictures from all my cameras on my TV at the same time?
- Can I view my Swann DVR4-Advantage from my office or another location?
- What cables do I need to use to extend the cable of my DVR4-Advantage?
- Can I connect my CCTV camera to the DVR4-Advantage?
- Can I connect a Wireless camera system to the DVR4-Advantage?
- Can I connect a DVR4-Advantage to any TV or VCR?
- Can I cut any of the DVR4-Advantage's cables to suit a particular use or application?
- Is it legal to use the DVR4-Advantage to watch and/or record people like neighbors, family or staff?
- Can the DVR4-Advantage work without a TV connected to it?
- Can I connect my Swann DVR4-Advantage to my PC?



## ? Is the DVR4-Advantage easy to install?

The Swann DVR4-Advantage is designed with Do it Yourself installation in mind. Most people who can set up a VCR or Home Theatre system will not have any problems installing the DVR4-Advantage. The plugs and cables do not need tools to install and are a simple click, push or twist fit. Minimal tools are required to successfully install the DVR.

## ? How much hard drive is used when recording 4 cameras?

This table shows the hard disk consumption for an 80GB Hard Drive.

Format	Quality	Frame Size	Frame Rate			
			30	15	7	1
NTSC	HIGH	20	38	78	167	1165
	NORMAL	15	52	103	222	1533
	LOW	12	64	129	277	1942
			25	12	6	1
PAL	HIGH	20	46	97	194	1165
	NORMAL	15	62	129	258	1553
	LOW	12	78	162	323	1942

When selecting a Hard Drive You can calculate and estimate recording hours by using the following formula based on the use of an 80GB Hard Drive.

80G Byte @ 7 frames per second @ Normal quality  
 $80 \text{ (G byte)} \times 1024 \text{ (M byte)} \times 1024 \text{ (K byte)}$   
 $15 \text{ (Kbyte/frame)} \times 7 \text{ (frame/sec)} \times 60 \text{ (sec)} \times 60 \text{ (min)}$   
Estimate hours is 222 Hours

## ? Is there a hard disk drive fitted to the DVR4-Advantage?

Yes, the DVR4-Advantage comes with an 80GB hard drive fitted, giving you 222 hours of continuous recording at 7 frames per second.

## ? I have fitted a new hard drive to my DVR4-Advantage and it is working some times, but when I set it for motion activation the hard drive stops working, what is causing this?

Make sure your hard drive is jumpered to "Master". This is done using the small plastic jumper blocks that are on the pins that are usually between the data socket and power socket on the end of the hard drive. Most hard drives come with an instruction sheet on the correct jumper setting for "Master", and many also have the information printed on the label on top of the drive casing.

Also make sure that you have connected both the IDE and Molex connectors to your hard drive correctly and that there are no bent pins.

## ? Can I see pictures from all my cameras on my TV at the same time?

Yes. The DVR4-Advantage splits the screen into 4 sections so you can see each active camera in its own individual section (up to 4).

You can also switch between each camera in full screen to view the images from that particular camera on its own in higher detail.



## ? Can I view my Swann DVR4-Advantage from my office or another location?

The Swann DVR4-Advantage is not network capable. For a DVR with a remote viewing via the Internet capability you should look at the Swann DVR4-NET Plus. Check the Swannsecurity website for more details.

## ? What cables do I need to use to extend the cable of my DVR4-Advantage?

Swann has a range of suitable cables just for this purpose. Choose the appropriate cable for your camera/dvr combination from the extensive range on the Swannsecurity website or check with your Swann stockist.

## ? Can I connect my CCTV camera to the DVR4-Advantage?

The DVR4-Advantage uses BNC video in sockets which are suitable for connection to all Swann cameras that use BNC cables and almost all CCTV cameras that use BNC cables. All Swann products that use RCA connectors come with an RCA to BNC adaptor to make sure that you will be able to connect the camera directly to your DVR without having to purchase additional cables or connectors.

## ? Can I connect a Wireless camera system to the DVR4-Advantage?

Swann wireless camera systems such as the NightHawk Wireless Outdoor Camera use RCA plugs which will not plug directly into the DVR's RCA video in sockets, but the Swann DVRs come with an RCA to BNC adaptor to make sure that you will be able to connect the receiver directly to a Swann DVR without having to purchase additional cables or connectors. Please note that due to the variable nature of wireless signals and the potential for interference to cause false motion triggers, wireless cameras are not as well suited to operating on DVR systems as wired cameras are.

## ? Can I connect a DVR4-Advantage to any TV or VCR?

Most TVs and VCRs made in the last 10 years have AV inputs which are what the DVR Advantage needs to connect to. The DVR4-Advantage has a BNC to RCA cable that plugs directly into the TV or VCR's AV input. The AV inputs are the same sockets that you connect some DVD players and Game consoles to. Once you have the DVR4-Advantage plugged in you need to select the appropriate AV channel on your TV or VCR to see the images on the TV. There are a number of ways to select the AV channel and they vary from one manufacturer to the next, but some methods of selecting the AV channel with the remote are: press the AV button until the correct AV input is selected (some TVs have 3 or more), press L1 or L2, press the Input Select button until the correct input is selected or in some cases you press the button that is marked with a small screen that has an arrow pointing into the centre of it. Consult the manual of the TV or VCR for more information if you are unsure how to select the appropriate AV input.

If you have the DVR4-Advantage connected to your VCR so you can record the images to tape to give to the Police or other law enforcement agency, you will need to switch your TV to the same channel you use to watch movie tapes on the VCR to see the images from the camera.

## ? Can I cut any of the DVR4-Advantage's cables to suit a particular use or application?

The DVR4-Advantage is carefully designed and built to give reliable and trouble-free service, and any modifications not authorised by Swann could possibly damage the DVR or affect its reliability or performance. To ensure our products work at their optimum performance levels at all time Swann has decided that cutting any cable or any other unauthorised modifications of the product will void the warranty.



# DVR4-Advantage™ FAQs

## ? **Is it legal to use the DVR4-Advantage to watch and/or record people like neighbors, family or staff?**

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.

The legality of watching people other than yourself change from country to country and even state to state. Contact your local government's privacy information body or your local Police for more information on what if any restrictions you may face.

## ? **Can the DVR4-Advantage work without a TV connected to it?**

Yes. Once you are satisfied with the setup of the DVR4-Advantage you can disconnect it from your TV and place it in a secure position where it is less likely to be disturbed or stolen in a burglary. Making the DVR harder to find means the evidence it will record is preserved for handing to the Police.

## ? **Can I connect my Swann DVR4-Advantage to my PC?**

Connecting the DVR to your PC is a simple task, just plug it into an unused USB port and run the included software. The DVR4-Advantage can be easily connected to a PC and appears as a USB Mass Storage Device on your PC, in a similar way to USB memory sticks and external USB Hard Disk Drives.

Using the supplied PC software you can save the recordings from your DVR on to your computer in the standard Microsoft AVI movie format.



Please note that the information contained within this document is subject to change without notification. Current at March 2007.