

SURE

DVR BUYERS GUIDE

SURE24 supply a wide range of Digital Video Recorders. This is an informative guide to help you with your purchase. If you require further information then please dont hesitate to contact us.



What should you look for in a DVR?

The number of cameras

DVR's can record 1 - 16 cameras at a time.

How long will a DVR record for?

Everybody has different recording needs and many factors affect how long a DVR will record for including: the number of cameras, the compression technology, the frame rate, the picture quality, the picture size, and the amount of recording time required. To make it easy for you we have created a DVR calculator that will tell you how long a DVR will record for.

What is the maximum frame rate of a DVR?

All DVR's have a maximum frame rate. This simply refers to the maximum number of frames that a DVR can record in one second at any one time. For example: a four camera DVR with a maximum frame rate of 50 frames per second (fps) can record at up to 50fps. If all four cameras are set to their maximum recording rate this will achieve $(50/4)$ 12.5fps per camera. Television is displayed at approximately 25 fps.

The frame rate that is right for you depends on your needs, for example if you are just counting bodies then 1fps will be plenty. On the other hand if you wish to catch people stealing small items from a shop then 6fps will normally be enough.

More advanced DVR's will automatically increase the fps rate on a camera where motion has been detected, providing more footage on an event.

What is the compression method used?

DVR's use various compression methods for compressing video footage. This reduces the amount of hard drive space that is used. Additionally, if a DVR can be viewed over the network or the internet a sophisticated compression method reduces the amount of data that needs to be transmitted. Compression methods include Wavelet, MPEG, MJPEG, JPEG2000, MPEG4 and H264.

For orders or more information please contact us on:

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or visit our website www.sure24.net**



Frequently Asked Questions...

How do you get video footage from the DVR to the Police?

Being able to easily give video footage to the Police when an incident has occurred is an important part of a DVR's role. Footage can be moved from the DVR to another storage device in a number of ways:

VCR - most low end DVR's allow you to connect the DVR to a television and record the DVR footage onto a connected VCR.

USB - Some DVR's come with a USB connection. This allows footage to be easily transferred onto a PC. If the PC has a CD writer, then footage can simply be burned onto a CD and the CD handed to the Police.

Compact Flash (CF) Card - some DVR's come with the ability to record footage onto a CF card. The CF card can then be inserted into a PC or Laptop and played back.

Networkable - DVR's that can be viewed over a network or the Internet via a PC can have their footage recorded straight onto the PC's hard drive. If the PC has a CD writer, then footage can simply be burned onto a CD and the CD handed to the Police.

Removable Hard Disk Drive - many DVR's come with removable hard disk drives. The hard disk is simply pulled out of the DVR and handed to the Police. A new hard disk can be inserted into the DVR to allow continued monitoring and recording. Some DVR's have USB Caddy Adapters that allow the information on the hard drive to be directly transferred to a PC.

CD/DVD - Built in CD/DVD writers are available on some mid & top range DVR's. This allows video footage to simply be burned onto a CD/DVD and the CD/DVD handed to the Police.

Can the DVR be viewed over a network or the internet?

Many DVR's come with the ability to be hooked up to a network or the internet allowing remote viewing from a PC with the appropriate software installed. Really sophisticated DVR's (see the ELR range and the SURE DVR range) have built-in web-servers allowing the video footage to be viewed from any PC in the world via the internet.

Does the DVR have built-in motion detection?

Many DVR's come with built-in motion detection. This means that they continuously monitor the picture from the cameras and as soon as something changes (i.e. there is movement) they begin recording. This removes the need for separate PIR sensors and saves valuable disk space.

What is the connection type for the cameras?

All of the SURE24 DVR's come with industry standard BNC connections for the cameras. This makes the setup of the DVR's extremely simple, simply plug the cameras in, power up and play.

Does the DVR do time and date stamping?

All SURE24 DVR's time and date stamp the video footage.

Will a DVR send me an email, text message, Pocket PC alert or picture message upon an event?

More sophisticated DVR's (the SURE24 DVR range) will send alerts to you when an event (such as motion detection) occurs. Alerts can be sent via email, text messages and picture messages to your mobile phone or your pocket PC.

What does the DVR do if there is a power cut?

Although all of our DVR's will switch off when there is a power cut, more sophisticated DVR's will automatically re-start with the same settings they had when the power went off.

What are the different resolutions on a DVR?

Most DVR's have different resolution options such as 640 x 480 or 320 x 240. The numbers simply represent the number of pixels in the picture (length x height). Higher numbers of pixels means higher clarity on the picture. However, higher numbers of pixels also take up more hard disk space.

Which of our DVR's are right for you?

SURE24 have a wide range of quality DVR's to suit almost any needs. Click on the links above to look at details of individual products. Do not hesitate to contact us to discuss details further.