

S Y M P H O N Y

Quality
digital recording



S Y M P H O N Y



A revolution in digital video recording

The new Symphony range of DVR will revolutionise the way you think of digital video recording. Custom designed for the UK Security industry the Symphony series offers an unprecedented, highly reliable recording solution that can be used across a wide range of installations.

Each DVR is capable of high quality D1 recording, matching the performance of DVD video. The combination of a user-friendly interface, remote management capabilities and cutting edge features provide an all-in-one solution to meet the requirements of the most demanding security installation.

The entire range benefits from the same operating system and interface to make these units easier than ever to install and operate.

The reliability of the Symphony range is second to none; every unit is fitted with Seagate SV35.3 hard disk drives that have been specifically designed for constant use in video surveillance systems. We're so confident in its quality and reliability that we offer a full three year warranty and 2 year advance replacement policy across the entire range.



Speed dome control
Harmony of design
Dual streaming technology
Realtime recording
SD1 resolution
Unified interface
Unparalleled reliability
System backup
CDRW / DVD / USB
Designed to be dependable
Remote engineer
AUDIO
D1 Realtime

Quality digital recording

The same interface - across the entire range

We designed the Symphony DVR with ease of use in mind. The same interface and operating system are used across the entire range. This provides the same menu structure whether you are on site using the DVR, or accessing the system over the Internet. Exporting evidence has also been made easier than ever with the one button copy feature. Simply find the event you wish to record and press the copy button to export to a CD / DVD.

Unrivalled recording quality

The Symphony range is capable of delivering high resolution, high frame rate video previously unheard of in its class. Each system is capable of recording high to real-time framerates up to D1 resolution. The playback of recorded video is of such a high standard it is almost indistinguishable from live images. This makes facial recognition and the use of images for evidential purposes far superior to many other DVRs on the market.

Lightning fast online video with Dual Streaming

The SYMPHONY PLUS system delivers smooth, high frame rate video online utilising Dual Streaming technology. This new technology dramatically recompresses recorded and live video when viewing the footage over an internet connection. The DVR will transmit video in a higher compression format optimised for online viewing. This gives you the best of both worlds – high speed 'jitter-free' online viewing alongside high quality local recording.

Unparalleled reliability using SV35.3 video drives

Symphony DVRs are only fitted with the highest quality Seagate SV35 drives. These hard disk drives are designed specifically for video surveillance providing improved capacity, reliability and performance 24 hours a day 7 days a week. The drives are capable of operating in case temperatures of up to 75 °C and mean time between failures is over 1 million hours.

Engineered and optimized for rigorous 24/7 video surveillance systems



3 Years warranty, two years advance replacement cover

We are so confident in the dependability of the Symphony range that we are pleased to offer a complete 3 year warranty with each system. In addition to this, if a system develops a fault within the first 2 years, we will dispatch an advance replacement before arranging to collect the faulty unit. This allows you to swap the existing product with the new unit in the same site visit.

SYMPHONY

High performance digital recording.

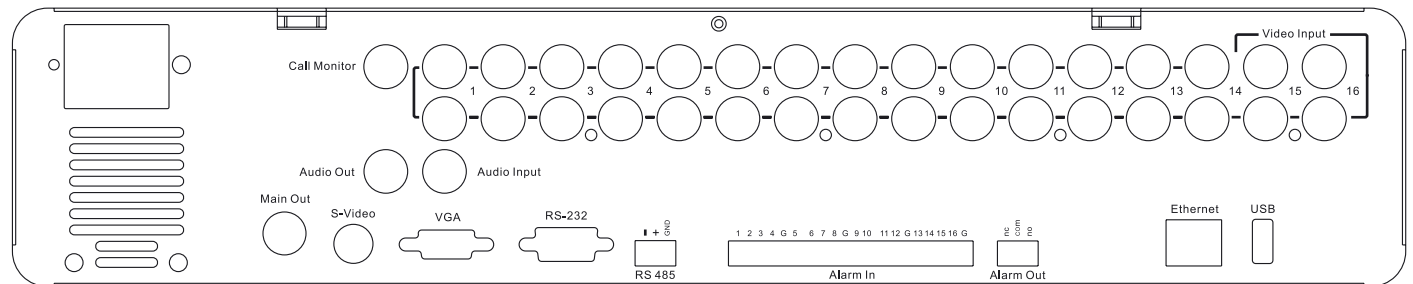
The SYMPHONY high specification pentaplex digital video recorder available in 4, 9 or 16 channels. The units use the latest MPEG4 recording system and can record up to 200fps @ 320 x 288, 100fps @ 720 x 288 and up to 50fps @ 720 x 576. Video and audio are recorded at quality levels that are usually only available with very high end systems. Along with many advanced features all the DVRs in the Symphony range have the same operating system for ease of use. The SYMPHONY range has a built

in hard drive with a maximum capacity of 2000GB and recorded video can be copied to CD / DVD using the built in drive or to a USB memory stick. The software to play back copied video is automatically saved along with the video and will play directly without the requirement to install any additional software. The DVR has full network facilities with full remote operation and engineering, network operation is carried out using Internet explorer and there is no client software to install at the remote PC.



Features

- MPEG-4 recording
- CDRW, DVD or USB backup
- Up to 200 frames per second recording
- D1 recording at 50fps
- Audio recording
- Set frame rate for each channel
- Frame rate step up on alarm / motion
- Pentaplex operation
- Playback over LAN / Internet
- 4 alarm inputs
- Remote monitoring / engineering
- Pre & post alarm recording



Reverse panel of 16 channel system

Recorded frame rates

	320 x 288	720 x 288	720 x 576
	CIF	2CIF	D1
4 channels	100	100	50
9 channels	200	100	50
16 channels	200	100	50

High framerate recording & enhanced all-round performance.

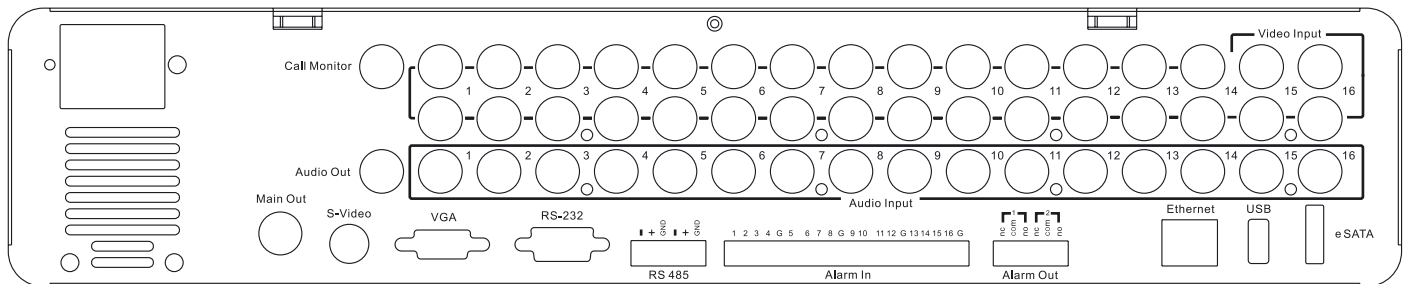
The SYMPHONYPLUS high specification pentaplex digital video recorder available in 4, 9 or 16 channels. The Plus versions of the Symphony range offer all the features of the standard range with additional functions and improved performance. The units use the latest MPEG4 recording system and can record up to 400fps @ 320 x 288, up to 200fps @ 720 x 288 and 100fps @ 720 x 576. Video and audio are recorded at quality levels that are usually only available with very high end systems. The SYMPHONYPLUS has

a built in hard drive with a maximum capacity of 4000GB that can be extended by an ESATA bay up to 8000GB. Recorded video can be copied to CD / DVD using the built in drive or to a USB memory stick. The software to play back copied video is automatically saved along with the video and will play directly without the requirement to install any additional software. The DVR has full network facilities with the dual stream allowing high quality local recording and fast networking performance. The unit supports full remote operation and engineering, network operation is carried out using Internet explorer and there is no client software to install at the remote PC.



Features

- MPEG-4 recording
- CDRW, DVD or USB backup
- Up to 400 frames per second recording
- D1 recording at 100fps
- Audio recording (all channels)
- Set frame rate / resolution for each channel
- Frame rate step up on alarm / motion
- Pre & post alarm recording
- Pentaplex operation
- Playback over LAN / Internet
- Dual streaming for high speed internet
- Remote monitoring / engineering



Reverse panel of 16 channel system

Recorded frame rates

	320 x 288	720 x 288	720 x 576
	CIF	2CIF	D1
4 channels	100	100	100
9 channels	200	200	100
16 channels	400	200	100

Take control

One of the significant features of the symphony range as a whole is its consistent interface & menu structure. When we designed the range we extended this principal to the hardware and peripheral items too...

Keyboard control

The entire range of Symphony DVRs can be controlled using our 2D and 3D keyboard controllers using RS485 telemetry.

2D Control

Remotely operate the Symphony range of DVR or control connected PTZ cameras and speed domes. The Joystick controls Pan and Tilt and is intended for heavy use applications. Provides all the functions required to program and control speed domes & the SYMPHONY DVR range.



Features

- Can be used with up to 255 speed domes
- Control all functions of speed domes
- Can be used with the Symphony range of DVR
- Supports Pan and Tilt functionality
- Robust construction, Intended for heavy use applications

3D Control

Remotely operate the Symphony range of DVR with this 3D keyboard controller. The same unit can be used to operate a Symphony DVR or control connected PTZ cameras and speed domes. The Joystick controls zoom level as well as direction and is intended for heavy use applications.



Features

- Can be used with up to 255 speed domes
- Control all functions of speed domes
- Can be used with the Symphony range of DVR
- Supports Pan, Tilt and Zoom functionality
- Robust construction, Intended for heavy use applications



IR Remote

All Symphony units are supplied with an IR Remote that can control all DVR functions

Mouse

The Symphony DVR can be mouse operated. This allows a user to easily navigate the menu structure and greatly improves the user friendliness of the range.



Unified interface...



The entire symphony range share the same buttons, menu structures and front panel layout - to the extent that they operate in an identical manner.



The Symphony online

View online – anywhere

Access your SYMPHONY DVR remotely from anywhere in the world using Internet Explorer. This allows playback of live and recorded video without the need to install any proprietary software. In addition, it is possible to save still images or backup recorded video to a connected PC. The SYMPHONY PLUS model also features dual streaming enabling near realtime live viewing over the Internet. This removes the need for the user or engineer to be on site to view or retrieve evidence from the DVR.

Online PTZ control

Control Pan, Tilt and Zoom cameras from any computer with an Internet connection and Internet Explorer installed.

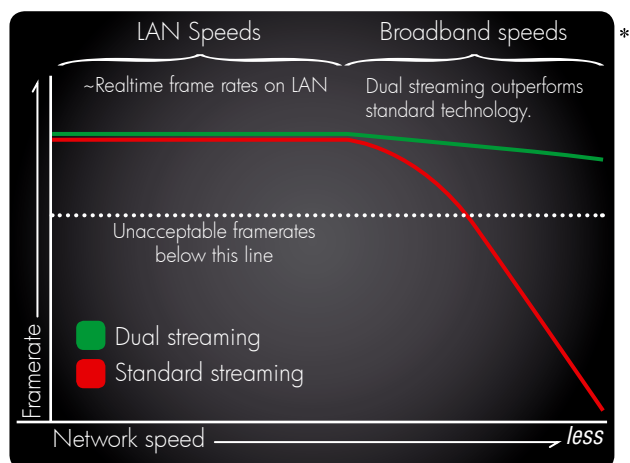
Remote engineering

The Symphony range allows a user to change all DVR menu settings over the Internet. This allows an engineer to configure the DVR without the need to make a site visit. The unit allows image quality, frame rate and all other menu options to be altered remotely from a connected PC.

No client software required

The SYMPHONY range can be viewed on a Windows PC using Internet Explorer. No third party software is required to log into the unit, this allows remote access from any computer, in any location.

High framerate online video with **Dual Streaming** technology in the SYMPHONY**PLUS**



* For illustrative purposes only

Traditionally, DVRs send the same data that they originally recorded over the internet to a viewer. This can work fine on a LAN where there is a large quantity of bandwidth available (typically ten times that of broadband internet), but when used online you can often suffer from a reduced frame rate.

Dual streaming technology enables high frame rate video online by recompressing the recorded video and sending you a highly compressed video stream over the internet suitable for viewing online.

This means that you can experience near realtime frame rates over a normal broadband internet connection - the way you've always wanted to.



Designed to be dependable

The Symphony range of DVR has been designed specifically for the UK security industry. The components, appearance and even the operating system have been designed here in the UK to ensure the quality of the DVRs are second to none.

We ensure the quality of the Symphony range through extremely high manufacturing standards. We assemble all our DVRs in our UK facility, where we re-test all components at each stage of manufacture and subject the finished units to an extensive soak testing period.

After the unit has passed its soak testing period hard disk drives are then fitted to the systems and more testing procedures are conducted. This commitment to quality control provides high performance straight out of the box and ensures the units will continue to perform for many years to come. This rigorous attention to detail at every stage of manufacture guarantees that only the highest quality products reach our customers.



Symphony enhanced support

We are that confident in the performance of the Symphony range that each unit comes complete with an industry leading service and support package. The range benefits from a full 3 year warranty alongside an amazing 2 year advance replacement policy.

2 year advance replacement

If your Symphony DVR develops a fault within two years of purchase, we will send you a brand new unit before arranging to collect the old one free of charge. This ensures your customer won't be left without a system.

3 year warranty

We are so confident in the quality of the Symphony DVR that we offer a full 3 year warranty as standard with every unit purchased.



Symphony DVRs are built using only **Seagate SV35.3** hard disk drives :



The only hard disk designed for the CCTV industry.

The Symphony range of DVRs only use Seagate® SV35 Series hard drives. These drives are specifically engineered and optimised for rigorous 24/7 video surveillance systems. The SV35 Series features perpendicular recording technology, boasts industry leading capacity, increased reliability and improved performance. As a result our customers can be confident in the fact our DVRs will perform out of the box and continue to do so for years to come.

- Tuned for video streaming, low power usage and quiet acoustics
- 1 million hours mean time between failures
- Operates in case temperatures of up to 75 °C
- Tailored for the CCTV industry
- Transfer video at up to 3GB per second

Designed for state of the art systems

Many of today's DVRs rely on hard drives primarily designed for desktop PCs. The SV35 drives have been designed for intensive use in digital video recording and dramatically improve the performance and reliability of the Symphony range. This ensures smooth streaming of the highest quality video in relentless operating environments.

Another key enhancement incorporates several design elements to limit power consumption in all modes of operation. The drives perform reliably at the widest range of operating temperatures - capable of operating at drive case temperatures of up to 75 ° C. This improves system reliability and increases the field life of the hard disk drives and the Symphony range of DVR.

5 year warranty...

Because Seagate are so confident in the reliability of the SV35.3 hard disk drive range for digital video recording, the drives come complete with a 5 year warranty.



SV35 Series™

Symphony

Symphony Plus

4 channel 9 channel 16 channel 4 channel 9 channel 16 channel

Connections	Video in / loop out (BNC)	4	9	16	4	9	16
	Audio in (RCA)	1	1	1	4	9	16
	Alarm inputs	4	9	16	4	9	16
	Alarm relay outputs	1	1	1	1	2	2
	Main Monitor (BNC)	•	•	•	•	•	•
	Main Monitor (VGA)	•	•	•	•	•	•
	Call Monitor output (BNC)	•	•	•	•	•	•
	Main monitor (S-Video)		•	•	•	•	•
	Power supply	External	External	External	Internal	Internal	Internal
	Connector for expander unit?				•	•	•
	IR Remote	•	•	•	•	•	•
System	Control	Front panel, IR Remote, wired keyboard, Mouse					
	Compression	Enhanced MPEG4					
	Language	English, French, Spanish, German, Chinese					
	Operation	Pentaplex					
Recording	Record @ CIF (380 x 288)	100	200	200	100	200	400
	Record / play @ 2CIF	100	100	100	100	200	200
	Record / play @ D1	50	50	50	100	100	100
	Dual Stream				•	•	•
	Resolution per channel				•	•	•
	Frame rate per channel	•	•	•	•	•	•
	Intensive record on event	•	•	•	•	•	•
	Quality settings	Normal, High, Super High					
	Frame rate settings	1-25 / channel	1-25 / channel	1-25 / channel	1-25 / channel	1-25 / channel	1-25 / channel
	Record mode	Continuous / Schedule / Motion / Alarm					
	Pre-recording	5 seconds	5 seconds	5 seconds	5 seconds	5 seconds	5 seconds
	Post-recording	0-20 Seconds					
	Video loss recording	•	•	•	•	•	•
	Water mark support	•	•	•	•	•	•
Formatting HDD	Full format, Auto-format						
Lock event recordings				•	•	•	
Backup	CD / DVD backup	Backup video and audio to internal CD / DVD drive					
	USB Backup to pen / HDD	Backup video and audio directly to USB pens & portable USB hard disk drives					
	Backup audio	Audio is copied along with video					
	Easy backup operation	Backup operation at the touch of a button - intuitive system designed with end users in mind					
	Notification of backup size	Find out how much you can fit onto your backup media before you try to burn the data					
	Play direct from backup on PC	Just put the CD / DVD in a windows PC, and the playback software will load automatically - no software installation required					
	Password protect backup	Lock playback from unauthorised viewers by password					
Display	Main monitor live	Full, 4, Seq	Full, 4/9, Seq full, Seq quad	Full, 4/9/16, Seq full, Seq quad	Full, 4, Seq full, Seq quad, event Popup	Full, 4/9, Seq full, Seq quad, event Popup	Full, 4/9/16, Seq full, Seq quad, event Popup
	Call monitor Live	Full, Seq full	Full, Seq full	Full, Seq full	Full, 4, Seq full	Full, 4/9, Seq full, Seq quad, event Popup	Full, 4/9/16, Seq full, Seq quad, event Popup
	Main monitor Playback	Full, 4	Full, 4/9	Full, 4/9/16	Full, 4	Full, 4/9	Full, 4/9/16
	Hide camera on main monitor	•	•	•	•	•	•
	Hide camera on call monitor	•	•	•	•	•	•
	Dwell time on main / call	1 to 99 seconds					
	OSD	Name channels - 16 characters • Display time in UK / EU format • Display recording / Alarm messages • Show HDD remaining (All optional)					
	Display adjust per channel	Colour, Brightness, Contrast, Saturation					
	2x Digital zoom	•	•	•	•	•	•
	Picture in picture	•	•	•	•	•	•

Symphony

Symphony Plus

4 channel 9 channel 16 channel 4 channel 9 channel 16 channel

Alarm	Motion detect setup	Each channel, Area, Sensitivity					
	Alarm input setup	NO/NC, not used					
	Alarm output options	Alarm trigger, Motion detected, Video loss, HDD error, Recording stopped					
Search	Search by time and date	•	•	•	•	•	•
	Search by event	Motion, Alarm input, Video-loss					
	Search by area motion	•	•	•	•	•	•
	Search from LOG	•	•	•	•	•	•
Network	Record on Remote PC	•	•	•	•	•	•
	Save still image	•	•	•	•	•	•
	Print to windows printer	•	•	•	•	•	•
	PC Support	Windows 2000, XP, Vista					
PTZ	PTZ support	•	•	•	•	•	•
	Support for preset select	•	•	•	•	•	•
	Support for preset setup	•	•	•	•	•	•
	Support Pelco-P and Pelco-D	•	•	•	•	•	•
Password Protection	User / Engineer password	4 password	4 password	4 password	4 passwords	4 passwords	4 passwords
Audio	Set audio to video channel	•	•	•	•	•	•
	Mute audio out	•	•	•	•	•	•
Information Screens	Display to show estimated HDD time using current settings	•	•	•	•	•	•
	Information display	HDD Size, HDD Space Remaining, Firmware issue, other information					
Sounder	Internal alarm sound options	On / Off					
	Key press sound options	On / Off					
Settings	Backup Engineer settings					To USB Pen Drive	
	Load Engineer settings					From USB Pen Drive	
	Update firmware	USB Pen drive					
	Factory default	Engineer option to reset to factory default					
	Reset passwords	Engineer option to reset to factory default					
	Secret engineer password	Built in method to reset engineer password					
Event log	Number of events stored	10000					
	Events logged	Alarm trigger, Motion detected, Video loss, HDD error, Recording stopped, Recording Started, Power on, Power off, Engineer password entered, User password entered					



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S Y M P H O N Y



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Experience the range now.



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