Features

- 4, 6 or 10 camera inputs (upgradeable)
- 100pps CIF equivalent record rate (50pps @2CIF)
- 500G to 1.5T bytes hard drive capacity (upgradeable)
- Built-in DVD/CD writer for backup–just press the "Burn" key
- Dual removable hard drives with key lock
- 31 day recording (programmable 1-999)
- Built-in manual - just press HELP key
- Triplex operation - record, live & playback
- Records automatically on power-up
- Built-in easy-to-use keyboard
- Spot monitor
- Supports BNC monitor output on remote keyboards
- Activity detection
- 10 Alarm Inputs
- Covert (hidden) cameras
- Day/night, weekday/weekend record, alarm and activity timers
- Digital authentication
- Ethernet for remote viewing on a PC
- Email alerts
- User configurable multiple passwords
- Watchdog timer protection
- High reliability fan-cooled power supply
- High reliability fan-cooled hard drive
- Not PC or Windows based
- Manufactured in the UK

Order Codes

Vi205-G250-4	Digital Recorder, 4 cameras, 50pps@2CIF, 250G
Vi205-G500-4	Digital Recorder, 4 cameras, 50pps@2CIF, 500G
Vi205-G750-4	Digital Recorder, 4 cameras, 50pps@2CIF, 750G
Vi205-G1000-4	Digital Recorder, 4 cameras, 50pps@2CIF, 1T
Vi205-G1500-4	Digital Recorder, 4 cameras, 50pps@2CIF, 1.5T
Vi205-G250-6	Digital Recorder, 6 cameras, 50pps@2CIF, 250G
Vi205-G500-6	Digital Recorder, 6 cameras, 50pps@2CIF, 500G
Vi205-G750-6	Digital Recorder, 6 cameras, 50pps@2CIF, 750G
Vi205-G1000-6	Digital Recorder, 6 cameras, 50pps@2CIF, 1T
Vi205-G1500-6	Digital Recorder, 6 cameras, 50pps@2CIF, 1.5T
Vi205-G250-10	Digital Recorder, 10 cameras, 50pps@2CIF, 250G
Vi205-G500-10	Digital Recorder, 10 cameras, 50pps@2CIF, 500G
Vi205-G750-10	Digital Recorder, 10 cameras, 50pps@2CIF, 750G
Vi205-G1000-10	Digital Recorder, 10 cameras, 50pps@2CIF, 1T
Vi205-G1500-10	Digital Recorder, 10 cameras, 50pps@2CIF, 1.5T

Accessories

Vi-K1	Remote Keyboard
Vi-K2	Joystick Keyboard
Vi-K3	Enhanced Joystick Keyboard
Vi-Viewer	IP viewer (included)
Vi-ViewerPro	Advanced IP viewer with maps

Overview

The Videoswitch Vi-series digital recorder (DVRs) provides rock solid 4, 6 or 10 camera digital recording at an affordable price. It is easy to operate and provides excellent performance and features for that suit most installations. Quality, reliability and long term product support is assured by Videoswitch, leading UK manufacturer of digital C.C.T.V. recorders.

The Vi series have become established at the first choice in many retail and other applications due to their reliability, ease of use and high image quality. To support the latest hard drive technology, SATA enabled drive trays are now available on all Vi models. The 50pps 2CIF record rate is equivalent to 100pps CIF but provides twice the image quality.

Vsd550E

Technical Data

Storage
Hard drive	250G to 2T bytes, SATA, dual removable
DVD/CD writer	Quick and easy backup to DVD/CD using "BURN" key. DVD/CDs play back on both DVR and PC (without software installation)

Digital Recording/Replay
Camera inputs	4, 6 or 10
Maximum image rate	50 pictures per second record rate at 2CIF resolution
Image retention	1 to 999 days, image rate calculated automatically or set via menu
Colour/Monochrome	Auto sense
Gain, Brightness, Colour	Adjustable via menu
Resolution	720 x 576 pixels x 16.8 million colours
Image size	8k to 40k bytes, dynamically variable, typically 17K
Compression method	Wavelet
Hardware/Software	Embedded RISC processor, proprietary Videoswitch operating system (non PC)
Simultaneous processing	Record, Live, Play, Remote and CD backup
Image authentication	Every image is tagged with time, date, image number and other information and is protected with a digital security signature for authentication
Video inputs	0.5 to 1V pk-pk, 75 Ohms (switchable via menu), composite PAL (BNC)
Maximum record rate	50 images per second at 2CIF resolution

Display
Main monitor outputs	1V pk-pk composite PAL (BNC), full screen, PIP, quad, 9-way and 16-way split, programmable titles
Spot monitor output	1V pk-pk composite PAL (BNC), full screen
Auto sequencing	1-99 seconds, full and quad, main and spot monitors
Covert (hidden)	Any cameras may be hidden from view on the monitors

Control and Interface
Keypad	35 keys
Remote keyboard ports	2 ports, each with built-in balun for twisted pair video connection to remote keyboards with attached monitors
Passwords	4 passwords with fully programmable rights
Search modes	Date/time search, sweep, event list, incident list
Timers	Record, alarm and activity (weekday and weekend)
Alarm inputs	16 inputs, normally open or normally closed volt-free contacts
Activity detection	16 x 12 zones, programmable sensitivity
Relays	2 relays, 24Vdc, 200mA max normally open or closed
Alarm/activity response	Pull-up full screen display, maximum record rate
Event log	10,000,000 alarm, activity and system events
Incident list	Up to 10 incidents may be saved onto one CD
Watchdog timer	In the event of any unexpected condition, the system will automatically restart

Remote Viewing
Ethernet	100baseT, TCP/IP, for LAN, WAN, broadband. View on PC using ViViewer or ViViewerPro

Power, Physical & Environmental
Mains Power input	90-135 Vac 2 Amps or 180-265 Vac 1 Amp, 47-63Hz
Temperature	5 to 35deg C (operating), -10 to 40deg C (storage)
Humidity	10 to 90% non-condensing
Dimensions/Weight (Unit)	180 x 210mm x 330mm (WxHxD), 7kg
Dimensions/Weight (Boxed)	280mm x 310mm x 430mm (WxHxD), 9kg

Accessories Included
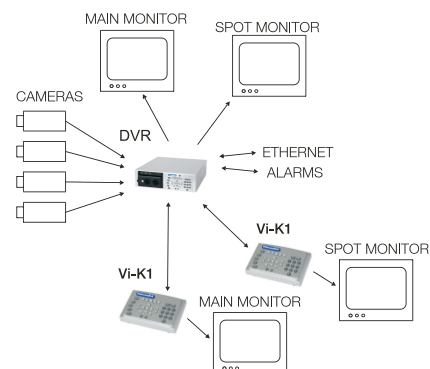|	
Cables	Mains (IEC/13A), Ethernet (CAT5)
Other accessories	Vi-X4 Alarm/Relay break-out module, drive keys, blank CDs, user manual
PC Software	"Vi-Viewer" remote access IP viewer

Upgrades
Firmware upgrades	Available on CD and the Internet (free of charge)
Hard Drive Upgrades	Replacement and upgrade hard drives available

Technical Data

The table below show examples of the relation between record image rates, hard drive capacity and number of days data retention. Divide by number of cameras to get the rate per camera. These examples are based on 17k image size.

Capacity	12.5pps	25pps	50pps
250 Gbytes	14 days	7 days	3.5 days
500 Gbytes	28 days	14 days	7 days
750 Gbytes	40 days	20 days	10 days
1000 Gbytes	56 days	28 days	14 days
1500 Gbytes	80 days	40 days	20 days

Example Configuration

Vsd550E