sitescape²

product data sheet

Technical Specifications – Hardware

Composite Video Inputs	16 as standard, expandable to 32 with optional software and hardware. 1v p-p 75-ohm via BNC sockets.
Digital Video Inputs	Direct USB inputs or via TCP/IP from other SiteScape devices connected via a 100baseT network.
Composite Video	Loop Through 16 as standard with selectable 75-ohm termination, expandable to 32 with optional software and hardware.
Video Equalisation	Automatic video equalisation optional on 16 channels, expandable to 32 with additional software and hardware.
Video Switcher I/O	16 by 4, expandable to 32 by 8 with optional software and hardware.
Composite / Digital Video	4 as standard, expandable to 8 with optional software and hardware.
Outputs	1v p-p 75-ohm via BNC sockets.
Analogue Video Output Options	Spot, alarm, sequence, multi-screens and playback.
SVGA Output	System graphical user interface and video display.
Video Processing Card (VPC)	Proprietary IES PCI card with fully synchronised chip based modular expansion from 100 images per second to 400.
Picture Resolution	Up to 768 (H) x 576 (V) pixels, 24 bit colour (>600 TV lines)
Compression Systems	Encrypted MJPEG, MPEG and other proprietary or bespoke algorithms depending on application.
Image Encryption System	Proprietary real-time high level video image encryption available as standard.
Frame Rates	Dynamically variable per camera up to a maximum of 400 full images per second (simultaneous real time from 16 cameras) depending on VPC hardware and software options.
Formats	CCIR PAL or EIA NTSC standards supported.
Audio Inputs	16 Switchable inputs via optional AUD16.
Audio Outputs	16 Switchable outputs via optional AUD16.
Hard Drive Storage Capacity	Compatible with any hard disk combination, including EIDE, SCSI or RAID drives depending on application.
Archive Storage Capacity	Compatible with various tape archive media (e.g. DDS, AIT) and with CD-RW. Storage Area Network (SAN) compliant.
Alarm Interface	8 inputs and 4 outputs built into rear panel with LED status lights. Optional expansion in modules of 16 inputs / 8 outputs using up to 4 DIO16S alarm expansion modules.
Serial Control Interface	USB interface allows connection of multi-way RS232 hubs allowing for up to 256 comm ports. Built in RS 485 output complete with 12V DC output.
Control Keyboard	Optional system keyboard with variable speed joystick (includes local loop through for multiple keyboards) or QWERTY keyboard with mouse.
TCP/IP	Built in 100 baseT Network via RJ45 socket.
System Watchdog	Built in monitoring of temperature and power supply with log file. Remote access option available. Processor and application watchdog with auto reset function.
Digital Zoom	Can be used on live, archived and galleried recordings, without affecting the recorded images, thus maintaining its evidential integrity.

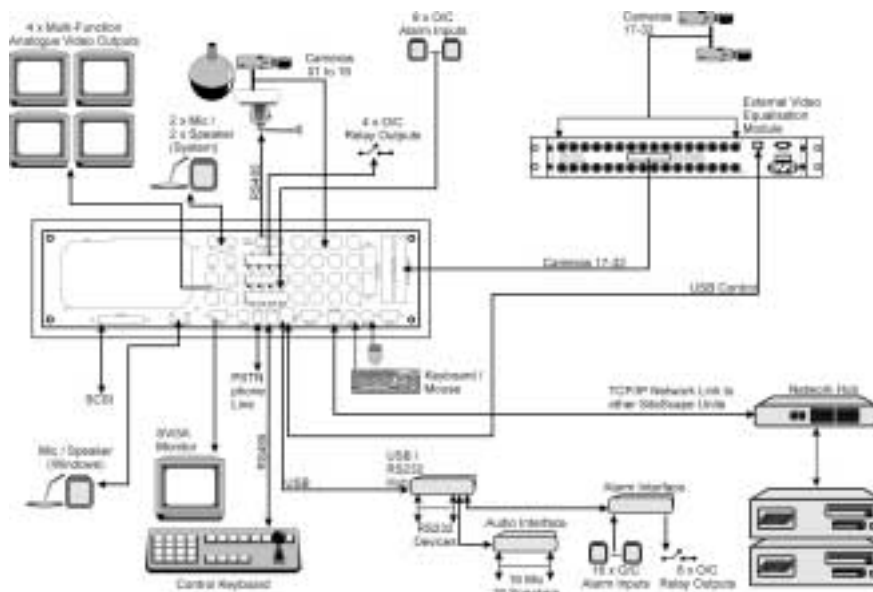## Technical Specifications – Software

Video Recording Modes	Dynamic combination of simultaneous time-lapse, event triggered and real time recording with or without pre-event recording.
Video Playback Modes	Single or multiple cameras.
Audio Recording Modes	2 mono channels as standard, 16 with optional software and hardware.
Audio Playback Modes	2 mono channels as standard, 8 with optional software and hardware.
Database System	ODBC compliant.
Search Engine	Filtered search system using, time, date, camera, event type and also featuring a graphical timeline search facility.
Telemetry Interface	Industry acclaimed telemetry protocol library with most major brands supported.
Operating System	Windows 2000 / NT / XP.
System Interface	OPC compatible.
System Configuration	VBA scripting capability allows operators to extend system configuration at high level.
API (SDK)	Proprietary. Ability to completely customise system as required.

Weights and Measures

Main Unit Weight	16 Kg.
Main Unit Dimensions	440mm (W) x 490mm (D) x 150mm (H).
Keyboard Dimensions	405mm (W) x 200mm (D) x 120mm (H).
Keyboard Weight	3 Kg.
19" Rack Kit Dimensions	485mm (W) x 465mm (D) x 177mm (H)-4U.
19" Rack Kit Weight	3.5 Kg.
Temperature Range	0 to 25 degrees Celsius.
Humidity	85% Non condensing.
Power	240v 50 Hz, 3 amp.

In line with the company policy of continuous product improvement, IES Digital Systems plc reserves the right to vary descriptions and specifications without notice.

Typical System Schematic

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