Global Image Recording & Alerting

The CCTVsafe Video Alert Server

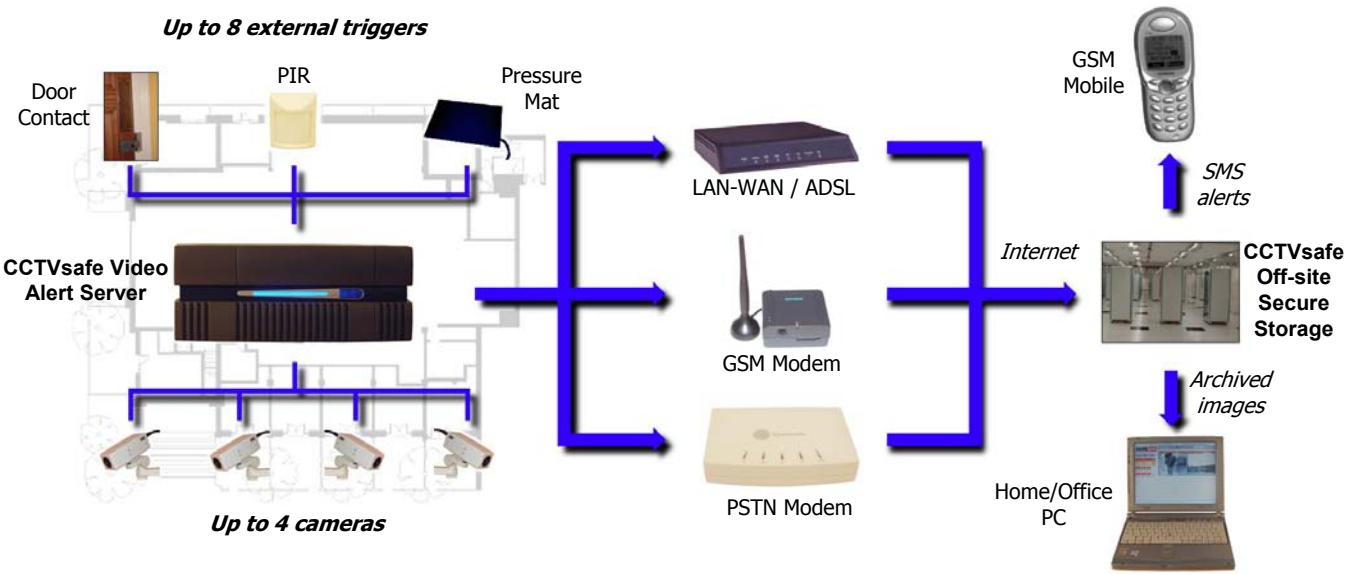
The CCTVsafe **Video Alert Server** captures images from up to four CCTV cameras and transmits them securely to the off-site CCTVsafe Secure Image Storage System.

Images captured by the **Video Alert Server** can be transmitted via an Ethernet network (LAN/WAN), an ADSL connection, a standard telephone line (PSTN) or even a mobile telephone network (GSM). This allows the system to be used both locally and in remote locations. The recorded images can be viewed from any PC with Internet access from anywhere in the world.

Features of the Video Alert Server

Ease of Use	New installations and upgrades are simple. The **Video Alert Server** is easy to install and can be configured in minutes. Industry standard CCTV cameras connect directly to the unit, offering the quality and low-light performance expected in a security installation.
Alerting	The **Video Alert Server** has built-in motion detection software or can be used with external alarm triggers such as active/passive infrared detectors, door contacts, or pressure mats. Alerts may be sent as SMS-messages or as emails when images are uploaded to the CCTVsafe Secure Image Storage System.
Remote Management	The **Video Alert Server** can be configured and administered from any network computer using a standard web browser. Remote configuration is also possible by dialing-in to the **Video Alert Server** via a PSTN modem.
Configurability	Images can be recorded periodically, when motion is detected, or following an external trigger. The unit can have scheduled recording times for specific cameras or can be armed / disarmed locally via a keypad, alarm system or access control device. Pre-alarm images can be buffered to give additional visual reporting of the events leading up to an incident. In the event of motion or an alarm being detected, a predetermined number of images can be captured with configurable time intervals between images. Motion detection is built-in, and is independently configurable for each camera.

System Topology



Key Features

Image Transmission	Send images using an Ethernet network (LAN/WAN), an ADSL connection, a standard telephone line (PSTN), or a mobile telephone network (GSM).
Intelligent Buffering	Image buffering ensures reliable transmission over networks and slower connections such as PSTN and GSM.
Live View	Live images may be viewed using a standard web browser.
Image Recording	Secure, off-site storage of images.
Alerts	Email and SMS alerting when new images are uploaded.

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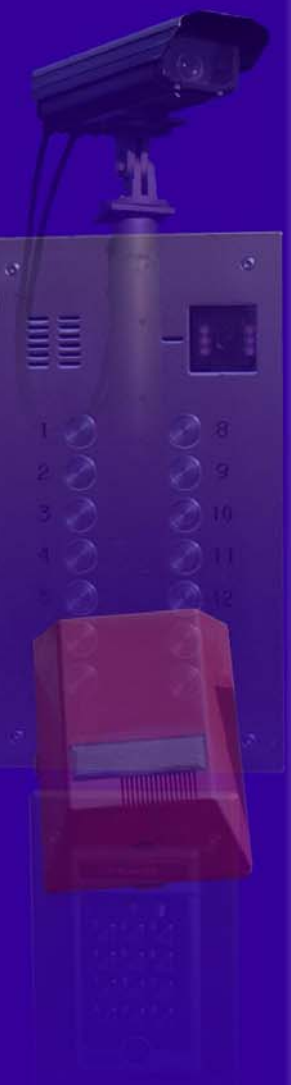

Technical Specification

Physical Dimensions	136mm x 340mm x 329mm.
Power	230-240V AC, maximum power consumption 200W.
Physical Installation	Standard UK – IEC mains electricity connector. Up to 4 composite-video BNC connectors (depending on model).
Video Capture	Up to 4 PAL format composite-video cameras. Up to 2 frames per second per camera.
Video Features	Adjust colour and picture quality independently for each camera. Superimpose text label and date/time on each image.
Image Compression	JPEG, with configurable colour space and compression quality.
Configuration	Easily configured using standard web browser found on most home/office PCs.
Live View	Available locally via LAN or remotely via dial-in. Requires Java-enabled browser.
Networking	10baseT Ethernet / 100baseTX Fast Ethernet (RJ-45 connector), TCP/IP, HTTP, FTP, NTP, DHCP.
External Triggers	Up to 8 external triggers with configurable trigger conditions (high/low states and transitions), for use with active/passive infrared detectors, switches, door contacts etc. Opto-isolator supplied as an optional extra.
Arming/Disarming	Any of the external triggers may be assigned to arm/disarm the **Video Alert Server**, in conjunction with a configurable time delay. Alarm schedule support: up to 5 independent time periods per day.
Alerting	Independent motion detection on all video channels – may be used as well as, or instead of, external triggers.
Zoning	Supports excluding areas of an image from motion detection using dead-blocks.
Image Buffering	Buffers up to 10 images before, and up to 10 images after, an alarm event. 10MB dedicated to buffered images – stores images whilst they are being uploaded via LAN/WAN, PSTN, or GSM. Additional images may be generated following a new alert, even when the unit is uploading images from previous alerts.
Connectivity	Supports primary/secondary/tertiary connectivity options, using a network (LAN-WAN/ADSL), a standard telephone line (PSTN), or a mobile telephone network (GSM). Primary/secondary Internet Service Providers (ISPs) for backup PSTN/GSM connectivity.
Modem Support	Supports external analogue modems (PSTN/GSM), using standard AT command set, up to 115200 bits/s. 9-pin D-SUB RS-232 connector.
Upload	Uploads images using standard FTP protocol. Supports primary/secondary FTP servers for fail-over upload capability.
Dial-in	Supports standard PPP clients, providing access to live view, status, and configuration screens.
Integration with CCTVsafe off-site Secure Image Storage System	View and navigate archived images easily, using any standard web browser. No additional software is required. Configure email or SMS alerts. Free 3-year secure off-site storage as standard: up to 2,000 images per month per **Video Alert Server**. Storage upgrade options are available to increase the number of images stored off-site.