

Stand Alone Video Transmitter and Recorder for Video Surveillance and CCTV over TCP/IP networks

Features

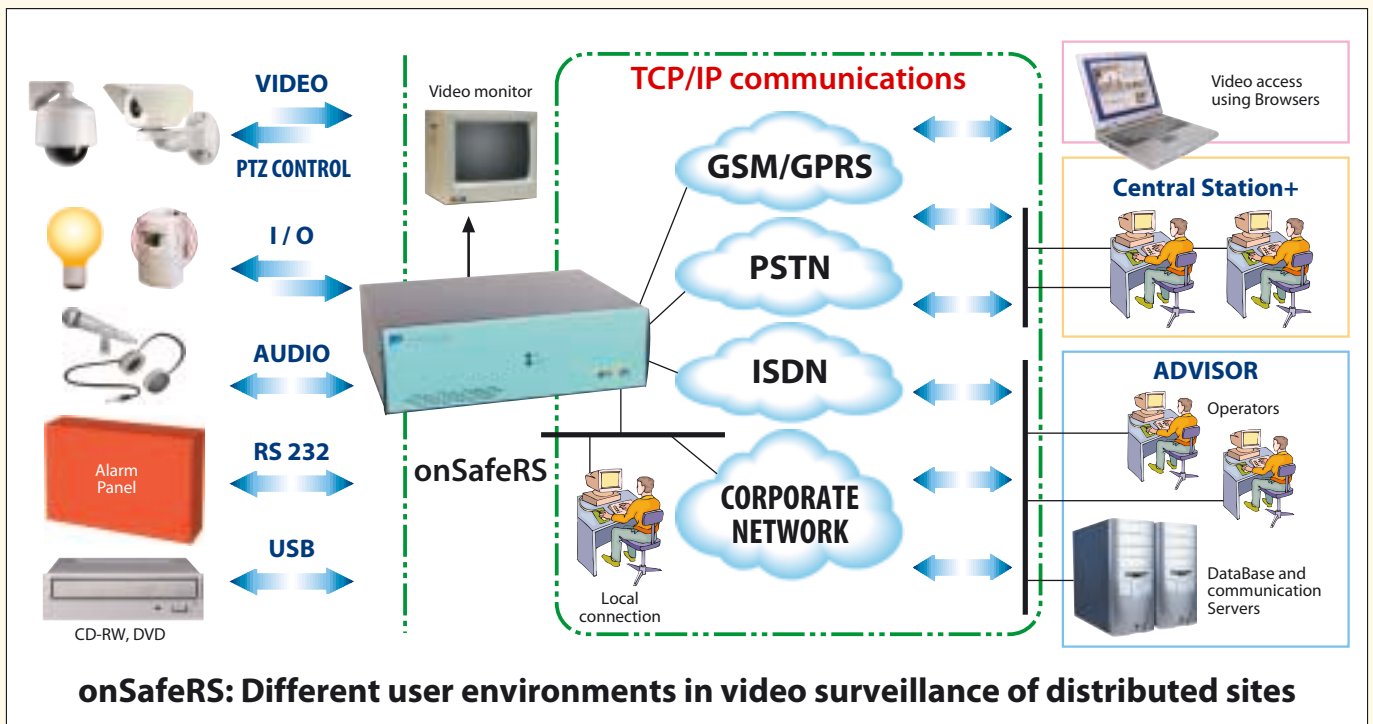
- Overall simultaneous delivery of over 100 ips to concurrent users while recording at up to 50 ips
- Hardware and Firmware specialized for video recording and transmission. No PC based
- Models available with 4, 12 and 20 video inputs equipped to connect to LAN (ADSL), ISDN, PSTN, GPRS and GSM
- An Integrated Video sensor in every video input, input leads and relay outputs
- PTZ Telemetry of dome cameras from major manufacturers
- Quadruplex operation: Concurrent video recording and transmission of video and sequences to local and remote clients
- Complete set of features to warrant that units are operating and recordings are available
- Optimized for unattended operation and integration / management to / from Corporate Networks
- Very low power consumption. Some of the available models can be powered from a low cost battery (not supplied) in case of Power Outage
- Projects of burglary and fire panel integration for transmission of alarms over IP using the corporate network
- Software modules (OCX) and onSafe protocol for third party application integration



onSafeRS

• Reliability • Flexibility • Functionality • Power





END USER APPLICATIONS

Since the onSafeRS is a web server, users willing to use the **browser** in their workstation may display video cameras and video recordings stored in the onSafeRS hard disk, can save it locally as AVI files and also capture and print pictures, all from this familiar interface.

The PC applications, **onSafe Central Station** and **Central Station Plus** offer advanced features to use the onSafeRS: Intuitive, fast and efficient procedures to seek, select, display, store and extract pictures and video sequences, display cameras from one or more centres and also the reception of event and system alarms.

onSafe/Advisor is a software application for the reception and integrated management of alarms and Video in a Corporate Control and Security Centre. System operators handle the reception and management of security and technical alarms, display real and stored video and also manage devices and users, doing it using a single "user interface". It operates SQL Server based Data Bases of: Alarms, logs of alarm handling, procedures of alarm reception management, inventory of plant equipment and user privileges administration. The modular and distributed architecture provides support for a practically unlimited number of remote sites and provides the means to build highly available configurations to any level of redundancy.

onSafeRS DZ Technical Specifications

OPERATING SYSTEM	Embedded onSafe Firmware, resident in Flash Memory. Remote updates by FTP using TCP/IP.
TCP/IP	IP communications in all ports of the onSafeRS board. PPP synchronous and asynchronous with CHAP or PAP Authentication in ISDN and serial ports. IP Applications: Telnet, HTTP, FTP, SMTP, SNMP, BootP, SNTP and others.
CONFIGURATION AND MANAGEMENT	Using an Internet browser or by commands in the console or by Telnet. From an SNMP network manager host. Public and proprietary MIBs (MIB II).
VIDEO	4 Connectors for colour or black and white cameras. PAL or NTSC composite video signal. Add on modules to 12 and 20 cameras. Brightness, Contrast and Hue control. Automatic detection of absence of video signal. 1 Composite video output for local monitor. PTZ control of dome cameras. RS232, RS485, RS422 buses. Compression JPEG ISO 1091-2, adjustable quality. Programmable resolution DCIF: 704x288, CIF: 352x288, QCIF: 176x144, 1/4QCIF: 88x72. One video sensor for every camera, each with 90 detection zones. Video transmission at over 100 Ips through the Ethernet port to several users.
VIDEO RECORDING	Disc recording speed up to 25 ips from one camera or 50 ips overall from more than one camera simultaneously, concurrently with video transmission. Continuous or event recordings including pre-alarm, alarm and post-alarm images. Image authentication and Integrity by adding an electronic fingerprint to JPEG file. Hashing Algorithm: MD5 (Message Digest 5) from RSA.
AUDIO INPUT/OUTPUT	One port full duplex. Voice over ISDN in the standard version and VoIP on request. 8 Digital Inputs without voltage and 3 Relay outputs 2A 48V in the base board. Availability of add on boards with 16 input and boards with 8 outputs.
ALARM TRANSMISSION COMMUNICATIONS	Technical alarms (system, disc, and comm.'s status) and Event alarms with or w/o related pictures. One ISDN basic access S0, RJ45 connector, EuroISDN. 64/128 Kbps. One port Ethernet 10/100bT, RJ45 connector. One multipurpose asynchronous serial port, DB9 connector, for either local management, dome camera control, GSM modem connection or serial connection to devices (IP PAD). One synchronous/asynchronous serial port for either digital networks, PSTN or GPRS modems or connection to serial devices (IP PAD). Requires an optional line driver card.
USB BUS CABINETS	USB V2 (Host or Device) for connection to removable storage devices.
POWER SUPPLY	Wall mounted tamper proof cabinet for 4 cameras; Add-on to 12 cameras (45 cm x 9 cm x 31,5 cm). Table top/19" Rack cabinet for 4/12/20 cameras (42 cm x 14 cm x 31 cm). Both cabinets can hold a 12V battery.
ALARM PANEL INTEGRATION	220 V. Optional 220AC/12VDC Power Supply with battery connection. Power consumption: Tamper cab < 20W. Rack cab < 30W.
SOFTWARE FOR DEVELOPERS	Connection of supported burglary or fire panels via RS232 or custom links. Secure transmission of alarms over IP corporate network. onSafe Protocol to communicate to the onSafeRS servers. Software modules are also available.

Specifications subject to change without notice.