Site Sentinel®

Digital Image Transmitter and Recorder

www.teleprecision.com

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TP 1208-25-32	8 cameras, 250Gb, 32 alarms
TP 1216-50-32	16 cameras, 500Gb, 32 alarms
TP 1224-75-32	24 cameras, 750Gb, 32 alarms
TP 8007-10	Built in ADSL modem option
TP 8007-20	Built in 3G modem option
TP 8002-00	E-mail reporting option
TP 92xx-00	SentinelBus option

3U rack mount unit

Key features:

- → Up to 24 Camera inputs
- → Up to 750Gb storage
- → 'Point and Shoot' PTZ
- → 3G connectivity option
- → Scalable, 'slave' mode
- → Easy to install / set up
- → Wide telemetry support
- → Bidirectional audio
- → True BS 8418 compliance
- → Remote diagnostics
- → TPing comms integrity

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The Site Sentinel® is core of the Teleprecision range of image transmitters. Site Sentinel® is available in a range of capacities from 8 to 24 cameras with a generously sized internal hard disc to give a recording duration of about one month (depending upon configuration). Many features are provided which are at best optional on other manufacturers' systems, for example Teleprecision's leading camera control - 'Point and Shoot' - depending upon the camera capabilities.

Site Sentinel®'s 'Point and shoot' camera control is in a different league from the competition. Use the mouse or a Touchscreen to intuitively and accurately control a PTZ camera regardless of the transmission speed, making 'camera overshoot' a thing of the past – even on slow connections – and improving the chance of capturing evidential quality images.

Site Sentinel® is a very scalable solution. Not only is it available in 'sensible' variants, but it is also field upgradeable to help future-proof installations. For even greater capacities, multiple units can be 'slaved' together to make a larger 'virtual site'.

Remote monitoring and remote access are provided either through Teleprecision's own software or though integration with leading central station software platforms. TPing, similar to BT's Redcare, can provide continuous monitoring of the communications path between site and central station at no extra cost.

Free software is provided with the unit for access to live and recorder pictures by the user, both locally and remotely over the internet. The unit is compatible with most types of internet connection which have a static IP address. An optional built-in ADSL broadband card is available. A 3G cellular modem option is also available allowing the unit to be used effectively beyond the reach of wired broadband internet access.

Bidirectional audio and extensive control capabilities make the unit a very powerful building block for any remotely monitored CCTV system. As standard, the system provides 'zoned' audio, automatic announcement on alarm and an audio walk test mode. An optional E-mail Reporting module allows the system to advise the installer, user, etc of many system parameters on a periodic basis.

Teleprecision's SentinelBus option allows all detector, audio and control connections to be made via a 'bus based' technology. Detectors, PA Horns, control devices are simply connected to a conveniently located 'pod'; the pods share a simple four-wire 'bus' cable to connect them to Site Sentinel®, minimising cabling and making for easy and tidy installations.

Video capture, recording and transmission

Video capture:	8, 16 or 24 inputs, PAL, 2CIF and 4CIF capture
Physical connection:	BNC, composite video, 0.7V pk-pk, 75 Ohm terminated (switchable)
Image capture rate:	12.5 to 25 pps, depending upon configuration
Image storage rate:	Configurable; fixed or event dependent
Image transmission rate:	Network dependent
Image compression:	Full frame, motion JPEG, H264 ready
Image storage:	Hard disk, full frame, digitally signed
Capacity:	About one month, at 1 pps per input
Evidential export:	CDR / DVDR with embedded viewer, requires external PC running DVPlayer software

Camera Telemetry

Interface:	One RS485 port, one RS232 port
'Point and Shoot' support:	CBC (C) AllView, DM2050/55/60, Forward Vision MIC1, Panasonic CW9xx, Pelco Spectra, Esprit, Honeywell Orbiter, VCL, Videcon 18x, Vicon SVFT †

† The number of protocols and cameras supported grows continually. Please contact TP Technical Support to check compatibility or to request the addition of a particular type. Where 'Point and Shoot' control is not supported, conventional PTZ control is. For example, 'Point and Shoot' control is available on a Pelco Spectra 3 using Pelco 'D' but any other camera type compatible with Pelco 'D' can be controlled by PTZ.

Audio System

Audio Mode:	Bidirectional; Half duplex
Audio Compression:	GSM6.10
Connection:	3.5mm jack connectors for line input and line output

Alarm inputs

Connection:	Via screw terminals in IP66 interface box
Mode:	NC / NO / SEOL / DEOL
Processing:	Edge, level, persistence trigger, pulse counter, loiter detect
Number Of Inputs:	32 per system
Mapping:	Fully configurable
Zoning:	Fully configurable; entry / exit zone capability
Isolation:	Detector 'numbing' facility with automatic reset

Control outputs

Connection:	Via screw terminals in IP66 interface box
Method:	12 volt signal

Control outputs can be assigned to a huge array of 'conditions', for example 'Zone 1 armed', 'Activation', 'Entry/Exit signal'.

Communications

Physical:	10/100 MBps Ethernet , TCPIP
Encryption:	SSL with Certificate based authentication
Expansion:	Serial port for connection of proprietary peripherals

Configuration

All system configuration is carried out using a laptop based configuration utility over the network connection. Certificate based authentication protects systems from unauthorised access at a similar standard to 'internet banking'

Operating system, firmware and platform information

OS:	Embedded version of Microsoft XP
Platform:	Industry standard Intel SBC/PC

A software watchdog module is included, providing almost 'continual availability' reliability figures. The watchdog monitors and controls all system processes and can restart components in the event of a fault . Remote diagnostics are supported over LAN/WAN interfaces.