

SentiO 50L



- Ideal where a high level of security and coverage is required.
- Intuitive user interface that is easy to set up and configure.
- Expandable and fully networkable with authenticated evidential recording.



The SentiO 50L is a high-performance system capable of recording simultaneously from 16 cameras up to a total of 50 images per second (ips).

The SentiO 50L system has enhanced live display, which means that it displays live images at the full frame rate (25 ips), regardless of the recording rate.

The SentiO 50L provides a single channel of audio input as standard. However, with the multi-channel audio (MCA) option, they can record an audio channel for each incoming video channel, with full lip-synchronisation as standard.

Video motion detection (VMD) – enables you to configure the System to register an event when movement is detected in a particular camera view, so that significant incidents can be easily located when reviewing recordings. Alternatively you can configure the system to record from specific cameras only when it detects motion, thus reducing recording time and saving disk space.

Super VMD (SVMD) – Additionally, the Super VMD (SVMD) option can be used to apply enhanced detection rules to track the direction, speed and size of moving objects or detect whether an object has been removed from or deposited in a scene.

Integration with external alarm systems/devices – Plettac systems can also be integrated with external alarm systems/devices, which can be used to trigger recording and onscreen alerts, simultaneously recording the event and notifying users of a possible incident.

Search Expert – Retrospectively define regions of interest to search for recorded events without originally assigning inputs or VMD.

Camera Sabotage Detection (CSD) – Loss of video or obscured camera view, will initiate an alarm condition.

Intelligent Event Viewer – Simply click on a recorded event from the database to view or export recorded images associated with the event.

Suspicious Alarms – Assign multiple cameras to a single input to log and record events to a unique partition on the drive, changing the recording characteristics of camera inputs.

Snapshot – Easy to access Icon on live view initiates, once clicked, image capture for immediate export and review .

BENEFITS

- Records from up to 16 simultaneous video and 4 audio inputs
- IP camera support
- Powerful video compression with image authentication
- Recording rates of up to 50 ips system-wide
- Live display rate of up to 25 ips (L models)
- Video Motion Detection (VMD) and optional Super VMD (SVMD)
- Lip-synchronised audio playback
- Up to 16 external alarm inputs
- Event-based recording (VMD and Alarms)
- Scheduled recording
- Gigabit network connectivity
- Alarm on loss of video inputs
- Remote system configuration and playback via SentiO NetManager
- Network video streaming
- Bi-directional audio (1 Channel)
- Export of audio and visual images to CD or DVD
- Controls for Pan-Tilt-Zoom cameras and domes
- Fully scalable system
- 4,8,12 or 16 channels
- Unlimited expansion over a network
- Up to 4 sequencer monitor outputs







SYSTEM HARDWARE	DESCRIPTION	CONNECTION
Video format	PAL/CCIR	NA
Video inputs	4, 8, 12, or 16, (75 Ohm, 1V p-p)	BNC (Dip switch termination ON/OFF)
System monitor	SVGA, DVI or S-Video	HD15, DVI Connector, 4 way mini DIN
Sequencer video outputs (optional)	4, (75 Ohm, 1V p-p)	BNC
Audio inputs	1 (standard) up to 4 (with MCA option)	3.5 mm jack (line level)
Audio output	1 channel	3.5 mm jack (line level)
Alarm inputs	4, 8, 12 or 16 isolated (n/c, n/o)	12 pin, 3.2mm pitch, screw terminal connectors
Alarm outputs	1 to 4 isolated (n/c, n/o with timer)	12 pin, 3.2mm pitch, screw terminal connectors
RS232	Control input/output	9-way D type male
Archive	CD-RW CD writer (DVD-RW option)	NA
Miscellaneous	4 x USB connections: Mouse and Keyboard, Parallel printer port, case intrusion switch	

SOFTWARE VERSION 4.4	
plettac SentiO system GUI	Live display, playback, configuration and export
SentiO - Net Manager (optional)	Simultaneous live display, playback, configuration and export via network from multiple remote systems
SentiO - Net Manager Lite	Simultaneous live display, playback, and export via network from multiple remote systems
sPlayer	Live display (1 view) and playback of exported video
Streamer	Live display (1 view) to client via web browser and Windows® Media Player
NetAlert	Monitors network connections to plettac SentiO systems

PRODUCT OPTIONS	
Multi-channel audio	Provides 4 channels of audio to be associated with video
Super VMD	Direction tracking, object removal, object deposition
Bi-directional audio	Enables SentiO - RM users to speak to people in the environment of the CCTV camera (speaker and microphone required)
Time synchronisation	Suite of software and associated hardware to synchronise time across a cluster of plettac SentiO systems
Sequencer	Displays a timed selection of up to 4 cameras on one monitor, each with a text overlay

SYSTEM HOUSING	DIMENSIONS	WEIGHT
Standard case	426mm (W) x 154mm (H) x 428mm (D)	16 kg approx
Rack-mounted case	483mm (W) x 223mm (H) x 428mm (D)	17 kg approx

SYSTEM CAPACITY	
Image capture resolution	720 x 288 pixels (PAL) NTSC version available
Image capture rate (system)	50 ips per system (up to 25 ips per camera)
Live image display rate:	25 ips per camera
Video compression rate (Wavelet)	1 ips @ quality 1 = 41 KB 1 ips @ quality 11 = 7 KB
Internal disk space (standard)	500 GB
Internal disk space (extended)	Up to 10 TB
LAN speed	10/100/1000 Mbps
Input voltage range	115/230V 60/50Hz 2.0/1.0A
Max power consumption	230W

CERTIFICATIONS & APPROVALS	
 Class B Digital Device EN 5008-1	
Industry Canada RSS 119 (Class B)	
 Class B	 

OPERATING ENVIRONMENT	
Temperature	5°C – 50°C
Relative humidity	5%-85% (non-condensing)
Tolerable shock (non operating)	10G x 2mS (2 per second max)

