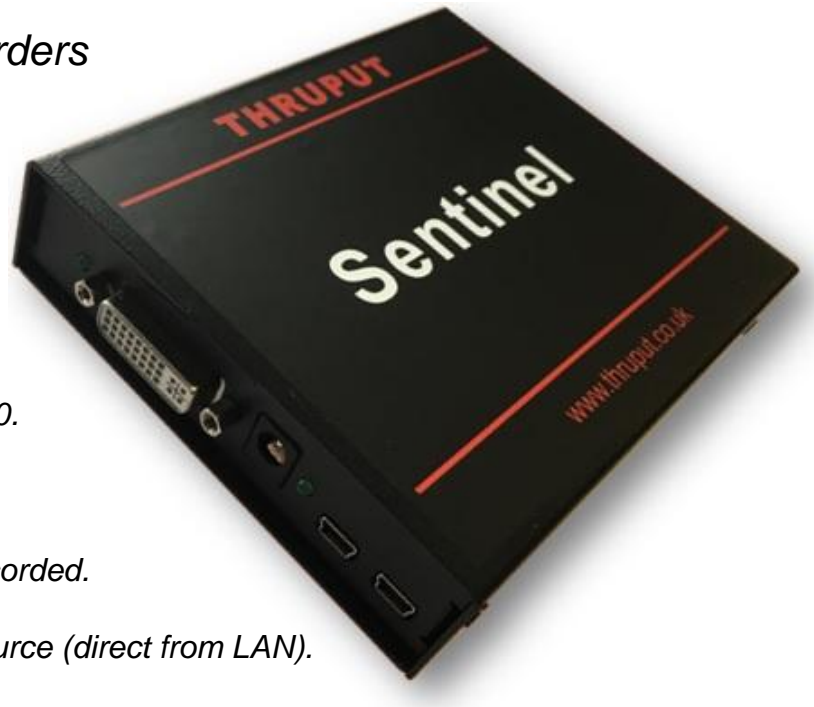*High performance video recorders providing the highest image quality, speed and storage efficiency.*

- *All resolutions including 3840 x 2160.*
- *Non-intrusive, failsafe capture.*
- *True Lossless compression.*
- *Dual redundant LAN.*
- *No impact on the systems being recorded.*
- *Ultra low heat and power.*
- *Real-time remote viewing of any source (direct from LAN).*

Operational benefits
The Sentinel recorders continuously capture any DVI, DP, HDMI or VGA video sources and feature:

- High frame rates: Mouse movements or keyboard inputs are always accurate.
- Detect and record changes to the host systems resolution.
- Detect colour events such as button pushes or alert messages.
- Powered from the LAN, no extra equipment needed in the console.
- True Lossless recording.
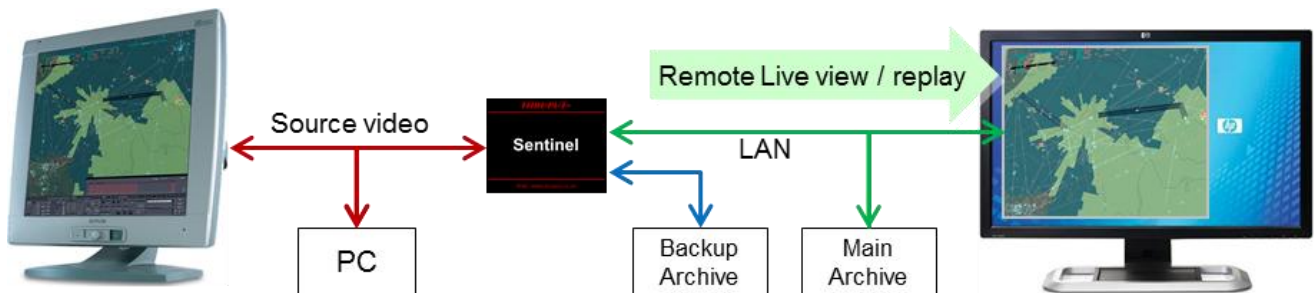- Continuous data rate control and parity checks.

Green solution
With possibly the lowest power consumption of any recording system, Sentinel does not use any hazardous materials:

- Typically below 5 W in normal operation.
- Fully RoHS compliant.

Safety
Thruput True-pixel graphics processing:

- Continuous data rate control and parity checks.
- Supports redundant system architectures.
- Failsafe, passive video interface.

DISTRIBUTED BY SEATRONX

(800) 607-1460 (USA) • (772) 418-5035 • info@seatronx.com • www.seatronx.com

Life cycle benefits

With greatly reduced complexity at the working position, a Sentinel recorder, powered from the LAN solution will be:

- Cost effective, simple solution to install; needs neither power nor mechanical changes to a console.
- Cheaper to run than DSP or PC based recorders.
- Minimum heat in the operations room.

Software for systems integrators

The Sentinels are robust devices with simple logical interfaces, Thruput provide all API data needed for the following options:

LAN traffic	Customer S/W captures the LAN packets, and writes their data to disc in the way that best suits the existing system.
Stored data	The customer can use the existing data capture S/W of Sentinel and their own HMI to bring the Sentinels under the control of existing management and replay systems.
Synchronized at replay	The customer uses Sentinel S/W to capture and synchronize replay from different data types. The replay key features are: • Synchronized replay of multiple video audio, radar and database channels. • Full control over playback speed and zoom level. • Investigators toolset for the detail study of events, bookmarking and looping. • Export formats including H264, AVI, JPEG etc.

Specification

Video Sources	DVI / DP / HDMI / VGA
4K x 2K *FRC 5*	3840 x 2160
DVI DL *FRC 3*	2048 x 2160, 2560 x 1600, 2048 x 2048
DVI I *FRC 4*	DVI: 1920 x 1200 or VGA: 1600 x 1200
Networking	2 x 1000baseT Ethernet. UDP. SNMP Management.
Power Supply options	Power over Ethernet (dual). Power over USB (dual). 5V external (offline use).
Physical	Case: 12.7cm x 10.3 cm x 2.6 cm. Mounting: 4 off M3, 8 x 10 cm centres
Operating Environment	Temp: 0 to 40 ^{o}C Humidity: 10% to 90% (non-condensing) Altitude: -300 to 10,000 feet MSL
Weight	Module: 430 g, Baseplate: 141 g
Compression	Typical ATC video: > 22,500:1 (at 8 FPS) > 3000:1 (Frame to frame).
Compliance	CE, FCC and ROHS

Thruput Limited operates a policy of continuous improvement and information in this document is subject to change without notice.

SEATRONX
Our Vision is Your Vision

DISTRIBUTED BY SEATRONX

(800) 607-1460 (USA) • (772) 418-5035 • info@seatronx.com • www.seatronx.com