

Sentinel... Always on Watch



Sentinel Tx enables the real time capture of 2K x 2K video and USB data without any impact on the data sources.

The system features Truepixel™ lossless compression and transmission technology on dual redundant LAN.

The Thruput Sentinel System provides:

- Network based, real time 2K x 2K video distribution and switching.
- 2K x 2K CWP recording, switching and extension.
- Audio data recording from any source.
- Radar data recording.
- Multi channel replay.

Sentinel technology for CWP recording & extension.



Sentinel video, audio and radar recording installation.

Data Sources

- 1 x DVI (Dual link @ 60 Hz).
- 2 x USB.

Networking

- 2 x 1000baseT Ethernet.
- SNMP Management.
- Copper and fibre LAN support.

Power Supply options

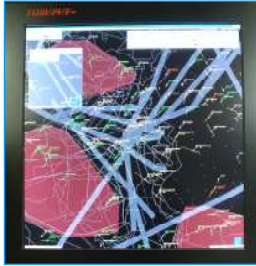
- PoE, USB or 5V external.

Physical

- Size: 12 cm x 10 cm x 3 cm.
- Weight: 0.3 Kg.

System Concept

The Sentinel System is a wholly independent suite of data recording and safety aids that can be introduced to any operational ATC unit.



Operational Supervisor
Real time remote viewing of CWP.



Technical Supervisor
Real time remote control of Sentinel.



Record



Archive and manage data



Replay and investigation

Safety

Data acquisition, conversion to LAN traffic and recording or display uses Thruput Truepixel™ technology for an optimal safety case.

ICAO Annex 10 compliance

- Audio Recording.
- Controller Working Position: At-The-Glass Video Capture.
- Radar Data Recording.
- Flight Plan Message Recording.
- Controllers Working Environment Audio and Video Recording.
- Data Archiving.
- Synchronised Replay of all Video, Audio and Radar data.

Operational benefits

- Supervisor's Real-time, Remote Display, of every CWP.
- EUROCONTROL CIMACT independent Back-Up System.
- Pixel Repair.
- Colour set calibration.



Sentinel Tx uses high-performance, low-power FPGA technology

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