

High Integrity Record & Replay



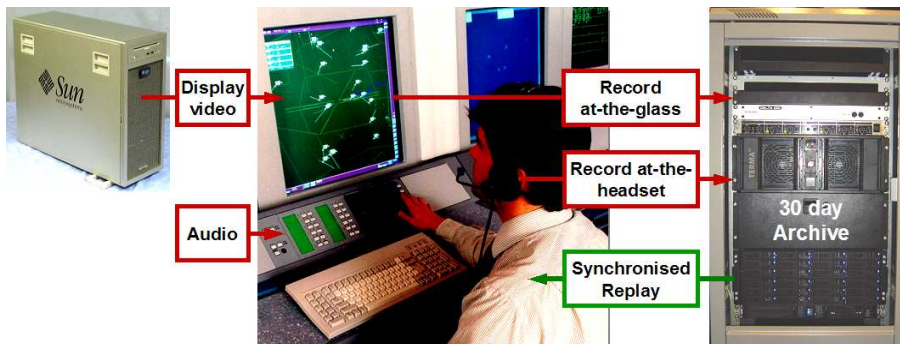
Thruput Limited has supplied recording and replay capabilities to OEM's and to ATC service providers worldwide.

Courtesy Eurocontrol

Thruput Limited High Integrity Record and Replay System provides:

- Videocapture at the glass
- Audio capture at the headset and at source
- Independent of all sourced data processing
- Compatible with all monitor types and video formats
- Data export to standard PC media

System Function



Thruput Record and Replay Systems capture, synchronise and archive multiple channels of video, audio and ancillary data.

Specification

- Independent, legal recording of data from multiple operator positions.
- Synchronised Video, Audio and Ancillary data recording and replay.
- Any video resolution, with 2kx2k resolution recording at up to 14 frames per second.
- Any Audio and auxiliary data formats.
- Recording period of 30 days without user intervention.
- Single and dual redundant storage.

System management

- Continuous monitoring of data capture and data archiving.
- Full control of the recording stations.
- Replay any selected channels within 5 minutes of an incident.
- Straightforward HMI.

Data replay and export

- Export of data to create incident archives.
- Editing tool set that enables areas of interest to be extracted and exported.
- Transport to Windows Media format, for the creation of hard copy and general purpose MPEG and JPG applications.

Safety

Accurate

- Data captured "at the glass".
- No processing involved from the data source.

Precise

- Video data is stored as discrete frames.
- Every screen pixel captured.
- Loss-less compression.

Reproducible

- Identical, faithful reproduction every occasion.
- No risk of data corruption or degradation.

		Console Record Stations							Network Archive															
		Host Processor	Main ATC Screen	Support Screen	ATCO Headphone left	ATCO Headphone right	ATCO MIC	ATCO Emergency	ASST Headphone left	ASST Headphone right	ASST MIC	ASST Emergency	Host Processor	Main ATC Screen	Support Screen	ATCO Headphone left	ATCO Headphone right	ATCO MIC	ATCO Emergency	ASST Headphone left	ASST Headphone right	ASST MIC	ASST Emergency	
System Time	12:12:12.123																							
System date	12-ABC-1234																							
Sector ALPHA 350																								
Sector Beta 250																								
User Defined Name																								
User Defined Name																								
User Defined Name																								
User Defined Name																								
User Defined Name																								
Sector Approach 09																								
Sector Departure 27																								
User Defined Name																								



The system management control panel (Left) and a 2048 x 2048 resolution record and replay system deployed with EUROCONTROL (right).

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