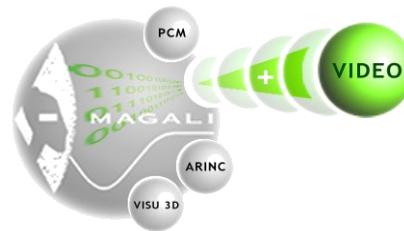# MAG_VIDEO
VIDEO ANALYSIS MODULE

DESCRIPTION

The **MAG_VIDEO** module, optional in MAGALI systems, fully manages the video streams in acquisition systems.

The **MAG_VIDEO** module can acquire any video stream : either integrated in a telemetry message, stored in a memory card or a recorder, or even acquired in real time.

The **MAG_VIDEO** module performs the analysis of the video stream simultaneously, synchronized with other sources.

KEY FEATURES

- **Real time acquisition** and **Replay mode**
- Simultaneous management of **multiple video signals**
- MPEG 2, MPEG 4 and JPEG **standard formats**
- Optional **specific formats**
- Data storage in MPEG2-TS and PES formats
- **IRIG time or GPS synchronisation**
- On **Screen Display (OSD) function** for video time (overlay)
- Superimposition of customized parameters
- Customizable **synchronization from other sources** (PCM, 1553, ARINC 429…)

Video formats

MPEG-2 TS ; MPEG-2 ES ; MPEG-4 TS ; MPEG-4 ES ; MJPEG ; MJPEG2000 ;H.264 TS ; PCM_AUDIO ; CVSD_AUDIO ; ADPCM_AUDIO ; ALAW AUDIO

Audio format

Audio inside MPEG video standard, ADPCM, CVSD, WAVE.

Post processing export function

Format : MJPEG, MPEG1, MPEG2, MPEG4 as .AVI or .MPG - Possibility to append OSD time or channel

Real Time (and replay) with Magali system

Broadcast video on Network for Magali SVM station

Multi monitor support

Display as ActiveX inside Magali display

Clone support for multiple ActiveX
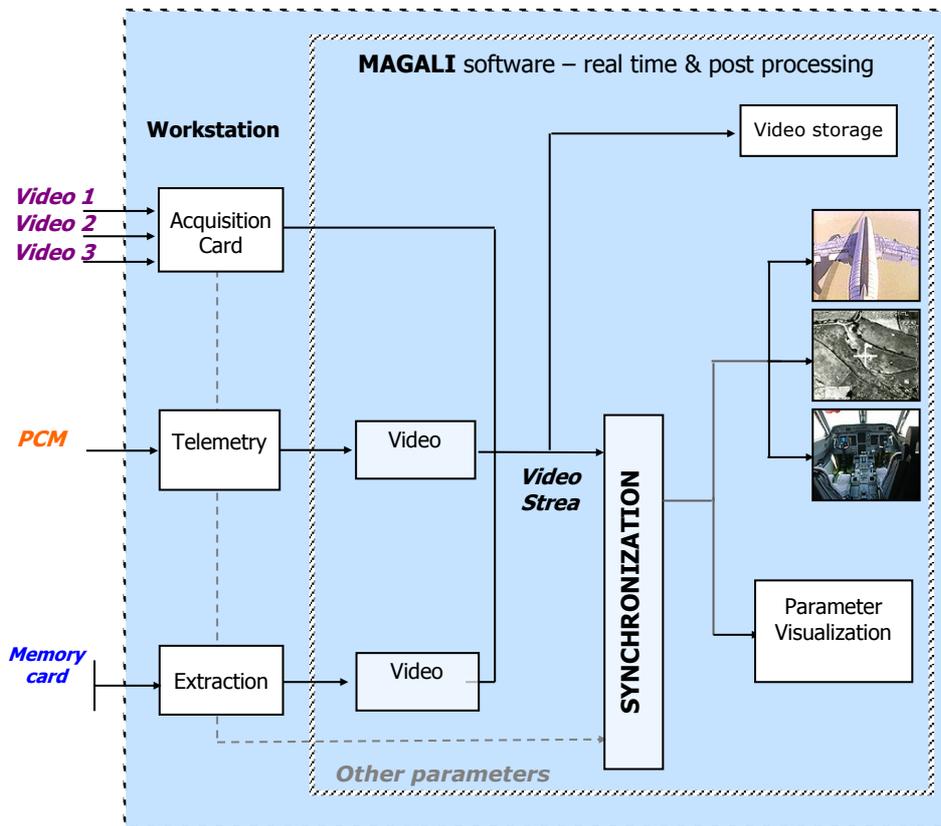
Select aspect ratio

Deinterlacing

Rotate

Replay mode

Slow down and speed up, according to replay speed.

FUNCTIONS

MAGALI software – real time & post processing

Workstation

Video 1
Video 2
Video 3
→ Acquisition Card

PCM → Telemetry → Video

Memory card → Extraction → Video

Video storage

Video Strea

SYNCHRONIZATION

Parameter Visualization

Other parameters

Acquisition/Reading

Direct acquisition from video acquisition card, simultaneously with other streams. Reading from files stored on memory card on recorder. Direct video extraction from PCM telemetry streams. Various available formats : MPEG2, MPEG4, JPEG…

Replay

In replay mode, the user selects the speed : real time, fast forward, slow motion, step by step.

Display

Video display in frames or full screen on the main monitor or additional synchronized monitor.

On Screen Display Function

Time-stamped or synchronized parameters in relative or absolute format can be inserted in the video display.

Storage functions

After extraction and processing, the video stream can be exported to a standard Windows data format and can be visualized with standard softwares such as Windows Media Player, VLC… The video file created can be limited to a particular time segment, selected by the user.

ORDERING INFORMATION

MAGALI/VIDEO	Video stream extraction and replay MPEG - 1 channel
MAGALI/VIDEO4	Video stream extraction and replay MPEG - 4 channel

Specifications are subject to change. Please, verify the latest specifications prior order.