

Mass Video Digitisation



Vectracom's Flexicart

Since the early 80s, until the arrival of discs recorders or memory cards, Betacam formats were the most used for shooting and broadcasting.

In order to offer innovative and cost effective solutions, Vectracom has developed an integrated solution, customisable to any mass digitising project:

« Easy Flex »

Fully automated, it allows the complete management of the digitising workflow.

Easy Flex Solution:

- Digitisation workflow management
 - ✓ Remote of Flexicart, VTR and Video encoders
 - ✓ Automated Quality Control during ingest (Servo lock & ISR*)
 - ✓ Data base Import & export (file format: TXT, XLS, XML)
- Digitisation process at Vectracom or "On Site**"



*Flexicart Internal view
Elevator & Barcode reader*

* ISR: Information Status Report ; ** On Site project studied over 5000 hrs to digitise

Vectracom

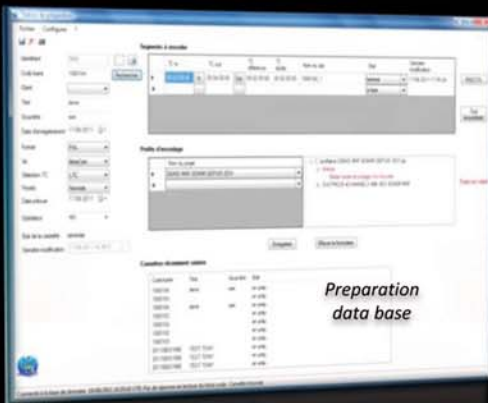
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Betacam ingest: Easy Flex



Preparation Database

Prior to any digitisation, we prepare, check and identify each tape with a barcode (client or Vectracom's code).

The following information are registered in our production data base:

- Customer name
- Barcode Number
- TC In & TC Out of program (system may also run using CTL signal in case of rush cassettes with TC jumps)
- 4/3 or 16/9 aspect ratio

Video Tape Player

We use multistandard DVW or MSW video broadcast player series, that allow:

- Playback of Analog or digital Betacam tapes
- A better dropout correction than on Betacam SP BVW series
- RF signal optimisation with Dynamic Tracking video heads
- Quality Control during digitisation (ISR/channel condition monitoring, and Servo Lock monitoring)
- Audio Multitrack embedded in SDI signal

Tapes Status

- Barcode N°: Tape to digitise
- Blue: Running tape
- Green: Digitised tape with OK status
- Orange : Digitised tape with ISR or Servo alarms (to be checked)
- Red: Rejected tape (see causes of reject)

Cassettes Status monitoring



Encoders

We selected Digital Rapids ingest cards added to Stream software, providing:

- Real time multi encoding (Hi resolution file & browsing file)
- Handling of Audio multitrack through SDI signal ingested
- Available video file formats: VC-1 (Microsoft® Silverlight®, Windows Media, IIS Smooth Streaming), AVC (H.264 or MPEG-4 Part 10), MPEG-2, QuickTime®, Adobe® Flash® (H.264 or On2 VP6), MXF, GXF, JPEG2000, XDCAM HD, Avid DNxHD®, DVCPPro, AVI and many others.

Vectracom also provides a full range of services for your audiovisual needs.



HD & 2K Telecine



Colour Grading



Restoration



Video Lab



Audio Digitising



Mecanical Restoration (film)



DVD, Bluray, Duplication



Subtitling



Auditorium



VOD



Mass Ingest Lines



ISO 9001 certification

Formats handled by Flexicarts:

Our Flexicarts systems allow us to digitise the following formats:

- Betacam Oxide & Betacam SP
- Digital Betacam
- Betacam SX
- MPEG IMX

File Backup and delivery:

Once digitised, Vectracom can deliver files on various storage formats such as:

- External Hard Disc Drive or server (possible hosting)
- LTO 3-4 or 5 cartridges
- S-DLT cartridges
- Backup on TAR, Archserve, Simentec (other formats after study)