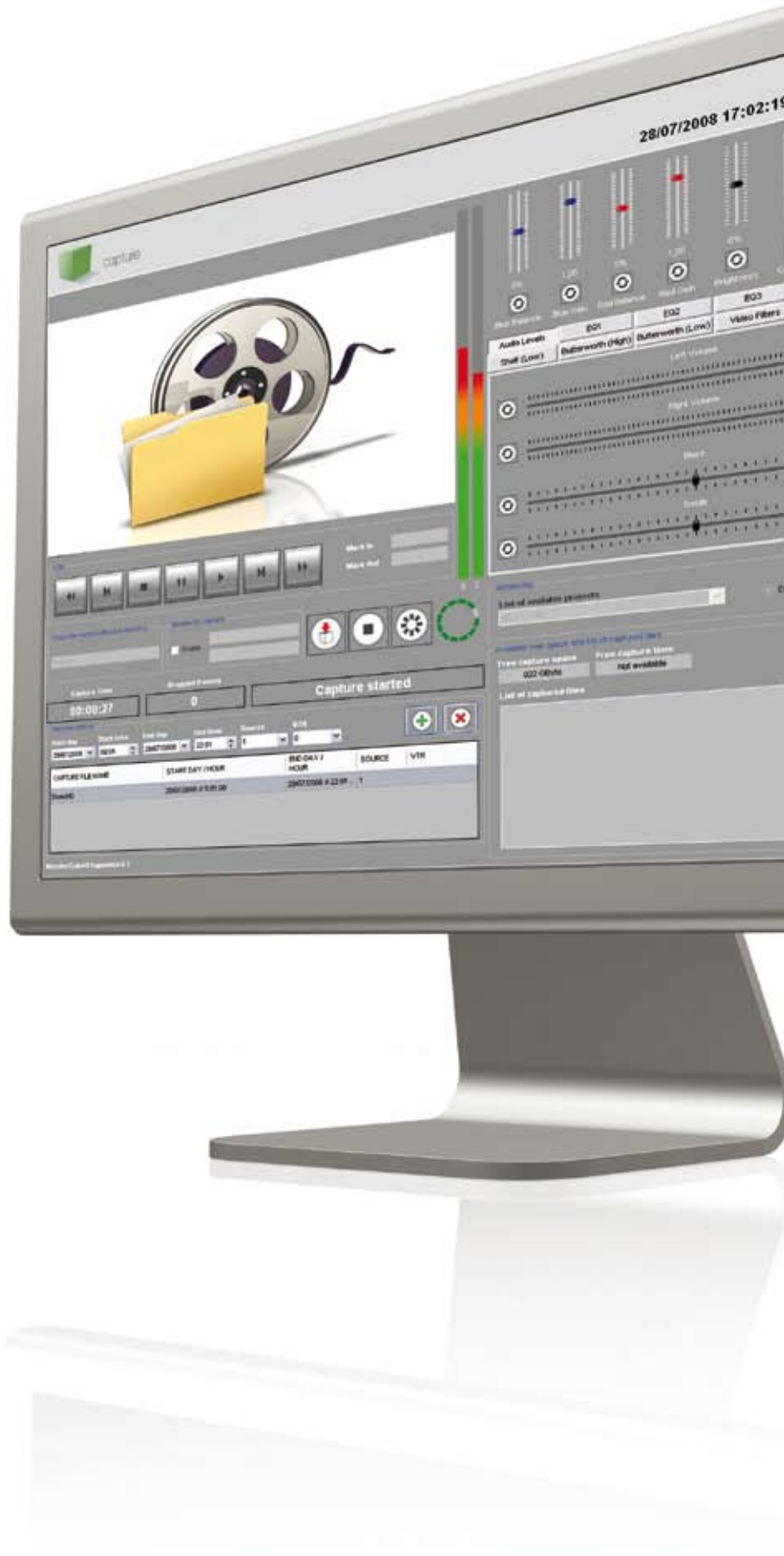




WonderCube®

INGESTION



Multiformat ingestion.  
Footage management.  
Restore audio video quality.

**SD/HD**

**MW-N**

**JVC**

The Perfect Experience

# WONDERCUBE® INGESTION

## Video capture

Ingestion is the entrance of video contributions into the workflow. It is the phase in which footage is converted from analogue to digital, ready for archiving or editing.

WonderCube® Ingestion is a video ingestion system that can meet the demands of any national or local company needing to digitalize its audio visual contents (television broadcasts, production studios, film libraries, etc.). It is an easy to use expandable, modular software system.

Each workstation can hold an ingestion software which is able to control different video sources connected to a router (Beta readers/recorders, Digital-S, BVU, DV, DVD, etc.) in component, S-video, composite, SDI. It is also equipped with all the tools useful to control and adjust audio and video quality.

The System is fully compatible with all major SD formats (MPEG-2, MPEG-4, MXF, Windows Media Video, Real Media, Quick Time, DivX, Xvid, DV25) and HD.

### Ingestion software.

The ingestion software makes it possible to convert archived tape footage, or footage connected from any other source, into digital format. The software brings together all tools to control and restore all the audio/video quality of the original footage.

Ingestion can be handled in two ways:

- a) manual ingestion, where an operator can check progress in real time;
- b) automatic ingestion, timing both the start and end of a recording, or providing an ingestion list to be carried out independently, stating start and end times and source for each item.

The ingestion software can control a remote VTR through a serial connection RS422, RS232, automating the ingest process. The software can capture audio video by using up to two different codecs at the same time, and then it can create a third video file format with a batch conversion.

### Cutting software.

Cutting software allows you to cut a part of the video out of the whole film clip. The software edits in real time with a frame to frame accuracy, and the new file thus generated is instantly ready for use.

Cutting allows you to save just the part of the film clip that you are interested in, or to divide up large video clips, so as to simply management.



**COMPONENT**  
**COMPOSITE**  
**SDI**  
**SD/HD**

# WONDERCUBE® INGESTION - INGESTION AND STORAGE WORKFLOW

# INGESTION



### VTR.

1. S-video, Composite, Component, SDI.
2. Multiplayer Rs 422 remote control.



### INGESTION AND DIGITALIZATION OF AUDIO/VIDEO CONTENTS.

1. Select entrance source through digital matrix.
2. Regulate quality and audio/video settings.
3. Record video in digital format. Manual or automatic mode.



### FOOTAGE MANAGEMENT.

1. Cut file to remove unnecessary parts.
2. Transfer file to share on the network.

### PERMANENT STORAGE ON DVD OR BLU-RAY LIBRARY.

1. Automatic copy of media.
2. Automatic placement of media in the Library.
3. Storage and sharing of documents.



### TEMPORARY STORAGE TO RAID SERVER.

1. Hierarchical organization of folders depending on users and applications.
2. Management of data flow
3. Storage and sharing of documents.



## FUNCTIONS OF THE WONDERCUBE® INGESTION SYSTEM

Ingestion software
Single format ingestion
Multiformat ingestion
Manual capture
Batch capture
Scheduled capture
Plug-in for audio processing
Indication of duration of current ingestion
View available disk space (in Gbyte)
View available disk space (in hours:minutes:seconds)
Configure parameters of captured video format
VTR Remote control system
Batch conversion function

Cutting software
Video cutting with key frame accuracy
Video cutting with frame accuracy

Line in
S-Video
Composite
4 input SDI-HD
16 ch for audio embedded for each stream SDI
16 ch input AES/EBU audio

Video format
MPEG AVI MOV MXF WMV ASF
SD Codecs
D10: 4:2:2 Profile@Main Level DV: DVCAM 4:1:1 DV: DVCAM 4:2:0 DV: DVCPRO 4:1:1 DV: DVCPRO50 4:2:2 MPEG-2 IBP: Main Profile@Main Level 4:2:0 MPEG-2 IBP: 4:2:2 Profile@Main Level MPEG-2 I-frame: 4:2:2 Profile@Main Level
HD Codecs
DVCPRO HD: DVCPRO HD (DV 100 O D12) MPEG-2 IBP: Main Profile@High Level 4:2:0 MPEG-2 IBP: 4:2:2 Profile@High Level MPEG-2 IBP: Main Profile@Main Level-1440 4:2:0 MPEG-2 I-frame: 4:2:2 Profile@High Level Offline HD: Downscaling to SD
Audio format
24 bit, 48 khz, PCM 16 mono / 8 stereo 16 o 20 bit, 48 khz, PCM 1 mono / 1 stereo 32 bit, 48 khz, Multiformat 16 mono / 8 stereo Dolby E Codec



# MW-N

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