

Input Format for Replication

Image Format: BDCMF Version 0.9

Capacity per Layer: 25.025.000.000 bytes
23.306 GB

Sectors: 12.219.238

Master Carrier Methods: adisGN (arvato digital services Global Network) / Wam!Net

USB / Firewire Hard Drive

*It is recommended that streamer tape (DLT, AIT etc.) as carrier format is not used as a master.

If required, please contact us for assistance.

AACS Encryption

Although the AACS encryption takes place at the mastering facility, it must be identified in the BDCMF image at the authoring stage. Encryption is currently a manual process and takes about 3 working days inclusive the content certificate signing.

Input Media for Encoding and Authoring

Video: Panasonic HD D5 Tape with Stereo Audio Mix or Multichannel Audio
Sony HDCAM with Audio Mix Stereo Mix

Audio: **DTRS** (Tascam DA 88/98) with Stereo or Multichannel Audio;
Audio Files uncompressed in wav or aiff Format, 48 or 96 KHz/24 Bit resolution.
All Audio files must be in sync. to the corresponding video with identical TC format.

Other formats on request

HDMV Authoring

File Format 1: Layered Photoshop File (<= CS2)
Independent Elements have to be individually accessible via Layers.
Higher Costs because files in this format have to be converted to Scenarist Designer format prior to the authoring process.

File Format 2: Layered Photoshop File (<= CS2) in Scenarist Designer Structure. This structure consists of specially arranged and named layers. We can provide you with the specification of this format separately.

Image Resolution: 1920x1080 pixels / 8Bit/pixel (Truecolor) RGB / 72dpi
Please be aware that images have to be downconverted to 256 indexed colors prior to the authoring process. We will always determine the optimal palette in an automated process.

BD-J Authoring

Graphics delivery

Choice 1:

File Format: PNG-24

Moving Elements are to be delivered each as separate file. Furthermore screenshots for each state together with descriptions of animations if required.

Choice 2:

File Format: PSD (Layered Photoshop File)

All (moving) elements are to be arranged in Layers, so that they can be directly extracted. Every state has to be arranged in Layer Compositions. Additional Screenshots are recommended as well as descriptions of animations.

Please don't hesitate to contact us if there are any unclarities.

Subtitles

Script Format BDN Script

File Format of Subtitle Image Files
PNG-24 or PNG-8 with transparency (alpha channel)

Image Resolution 1920x1080 pixels / RGB / 8bit colors + 8bit alpha (PNG24)
Please be aware that images have to be downconverted to 256 indexed colors prior to the authoring process. We will always determine the optimal palette in an automated process.

Further Script Formats upon Request, e.g.:

- *.890
- *.pac
- *.stl
- *.txt

Currently no support of control characters for formatting subtitle appearance.

Screen Design and Subtitling can also be offered by arvato digital services, if desired.