TECHNICAL GUIDE

MARCHÉ DU FILM
FESTIVAL DE CANNES
2021

Screenings in the Palais and Riviera theaters are provided via Christie Laser projectors and Dolby servers: DOLBY IMS3000 depending on the theater.

The equipment in the city's theaters may be different (list of equipment provided upon request).

Important: In order to resolve any problems, each company must provide the Screenings Department with the phone number and email address of a single technical contact.

ONSITE SCREENINGS

DCP DIGITAL DELIVERY
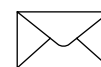
→ Digital delivery of DCPs is our preferred method of delivery.
→ This service is provided by Viapass based on the Aspera Faspex application. Access to Viapass has to made via your personal account on the Marché website.
→ Content must be delivered no later than **June 29, 2021.**

TECHNICAL FEATURES OF THE DCP

The DCP's must comply with ISO/SMPTE or InterOp (JPEG 2000) standards.

The DCPs provided are considered final and complete. They must include image, sound and, if applicable, subtitles. All logos must be incorporated in the DCP. The DCP must imperatively include the audio tracks of the 5.1 and/or 7.1 mixes.

SUBTITLES 1

→ In order to avoid any display and size problems, it is strongly recommended that the subtitles be burned into the image.
→ Otherwise, the subtitles must be of the "timed text" type.
→ The use of "subpicture" subtitles (.png images) is forbidden.

RESOLUTION 2

→ The DCPs delivered can be either 2K or 4K resolution.

FRAME RATE 3

→ 24 frames and 25 frames per second will be supported.
→ For other frame rates (e.g. HFR), it is imperative to contact the Projections Department in advance.

NAMING 4

→ The CPL composition (Composition Play List) must be titled in accordance with the digital cinema naming convention.
→ The naming must correspond to the information and labelling transmitted to the Marché and the Screenings department team, and must be clearly interpretable. In particular, abbreviations and acronyms shall be avoided.
→ Consistency is required between the different elements delivered.
→ The same film must be designated by the same title in its different versions (preferably English version).

POST PRODUCTION LABORATORIES (5)

→ The contact details of the laboratory must be sent to the Marché Screenings department.
→ If several labs have been used (for example, one for the film and one for the subtitles), the contact information for each servicer must be provided.

DCP FORMAT (6)

→ Hard drives must be formatted in the "ext2" or "ext3" file system as described in the ISDCF recommendations (paragraph 4).
→ Not accepted: The use of GPT (Guid partition table) and BSD type partition tables or other file systems such as: exFAT, HFS or HFS+ (MAC)...

VERIFICATION (7)

→ The DCPs are subject to a computer check before they are screened at the Marché (for information, only defects that prevent reading can be detected).
→ In the event of a defective DCP that prevents screening, the Marché will contact the company and offer it the choice of either: a new DCP (tested by the client on DCI digital cinema equipment), or, to have the DCP repaired by our on-site digital lab to the best of their ability, with no obligation of result. The defective DCP will be duplicated and repaired, and this copy will be erased after the last scheduled screening.

BACK-UP COPY (8)

→ It is recommended to bring a backup copy in the same conditions as the main media.
→ In the case of a DCP, it is advisable to have also tested the backup copy on digital cinema equipment (DCI).

KDM & DKDM MANAGEMENT
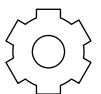
Priority is given to the delivery of unencrypted DCPs.

In case of delivery of an encrypted DCP, the company must either
→ Provide a DKDM or Master KDM. The Marché has a solution for generating KDMs from Master KDMs (or DKDM) in Cannes.
→ Provide a complete set of KDMs for the Marché's servers and transmit the contact information of the laboratory, accessible 24/7, in case of need for additional KDMs (name of the person in charge, phone, email).

The certificate of our solution will be available from June 23rd on www.cst.fr/festival-de-cannes.
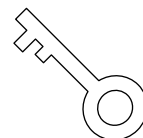
VALIDITY OF THE KEYS

The DKDMs and KDMs must be generated **from July 3rd to July 16th 2021.**

The reception of DKDMs and KDMs will be possible from **June 24th** at the following address: kdm2021@festival-cannes.fr

ATTENTION: this address is managed by a robot and does not allow individual answers.

For all technical questions, please contact: sts2021@festival-cannes.fr

DELIVERY DEADLINES

— All films and keys (DKDMs or KDMs) must be delivered with Viapass **no later than Thursday, June 29**.

— If the films are received **after June 29**, the company will be charged a late fee of 250 euros (excluding VAT) per film.

— If this deadline is not met, the Marché cannot guarantee the screening and reserves the right to **cancel the screening slot**, which will remain due in full.

— DKDMs and KDMs must be sent to kdm2021@festival-cannes.fr **no later than June 29**, and be valid from **July 3rd to July 16th 2021**.

— Failure to do so will result in the application of late payment **penalties of 250 euros** excluding VAT.

— **The Marché du Film would like to thank** all of its exclusive technical service providers for their faithful collaboration.

ONLINE SCREENINGS

VIDEO RECOMMENDATIONS

FILM FILE UPLOAD   1

→ Maximum size : 200GB
→ Accepted formats : mp4, avi, mkv, mpeg, mpg, m4v, f4v, mov, qt, ogg, ogv, webm, wmv, flv
→ The file must be multiplexed (audio and video in one file)
→ Accepted framerates (fps) : 23.976, 24, 24.976, 25, 30, 48, 50, 59.94, 60.

VIDEO SPECIFICATIONS   2

→ Codec : H264 (preferred - faster upload), Apple ProRes (longer upload)
→ Minimum bitrate : 15Mbps
→ Minimum resolution : 1280 x 720 (Standard 720p High Definition). Better quality can be achieved with 1920 x 1080 (Full 1080p High Definition).
→ Upload only progressive or de-interlaced video

INTERNET CONNECTION   3

→ The amount of time needed to perform the upload mainly depends on your upload speed and on the file size. We recommend a minimum upload bitrate of 10 Mbps and to upload a file not bigger than 20GB for the best upload experience.
→ You can check your connection speed at https://www.speedtest.net/ (maintained by Ookla).

AUDIO SPECIFICATIONS   4

→ Codec : AAC
→ Minimum bitrate : 256 Kbps
→ Upload only Stereo audio
→ If you need to transcode your file, you can use the free software Handbrake and use the documentation here to help you.

WEB BROWSER & OPERATING SYSTEM

→ We recommend you use updated versions of Chrome or Firefox.
→ You can check if your web browser is updated to the latest version by visiting:
→ https://www.whatsmybrowser. org/ (maintained by Google).
→ You also need an up-to-date operating system. We recommend you use at least Windows 7 or Mac OS X 10.7 Lion.

EDITORIAL

→ No test patterns or countdowns at the start of the video, no blank sections
→ Image and sound should be correctly synchronized
→ All videos should be available in an English version (audio or subtitles)
→ You can either burn English subtitles on the video or attach a separate subtitle file to the
→ screener.

For more information about Cinando Subtitles : https://cinando.com/en/FootPage?page=subtitles

SECURITY

→ The Marché du Film will partner with Blue Efficience a leading company expert in antipiracy enforcement.
→ The Marché du Film Online uses the most secure video streaming solution:
→ Individual accounts with strong password policy, verification of the companies' profile and activity in the film industry
→ Powered by Shift72, a service hosted at Akamai, the worldwide CDN leader for video streaming
→ Screeners are secured with DRM and an additional array of anti-piracy features.
→ DRM integrated into your video encoding and playback system. This type of encryption is required for studio grade content and ensures playback only occurs on the authenticated video player.
→ MPA compliant, we operate according to trusted security standards.
→ Concurrent stream restrictions to prevent multiple people sharing an account
→ Screeners are individually watermarked in real-time with a crypted ID that uniquely identify the viewer
→ Real-time viewing reports with name, time, duration of playback give you full control over access

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The Marché du Film thanks all its exclusive technical providers for their continuous support.

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