TECHNICAL GUIDE
SCREENING IN CANNES

MARCHÉ DU FILM
FESTIVAL DE CANNES
2023

Screenings in the Palais and Lerins theatres are provided via Christie projectors and Dolby IMS 3000 servers.
In order to resolve any problem that may arise, each company must provide the Screenings Department with the phone number and email address of a **single technical contact**.

DCP DIGITAL DELIVERY

Digital delivery of DCPs is our **unique** method of delivery. This service is provided by **Viapass** based on the Aspera Faspex application. Access to Viapass is made via your personal account on the Marché du Film website.

Content must be delivered no later than **May 12, 2023.**

Click here to upload your DCP

Server's certificates

The dematerialized DCP transfer service is based on an enhanced and doubled infrastructure. Internet links and redundant servers ensure continuity of services. For even greater reliability, the entire system is monitored in real time.

DCP TECHNICAL FEATURES

→ No files of any type will be accepted (ZIP, RAR, ...)
→ The DCP must comply with ISO/SMPTE or InterOp (JPEG 2000) standards.
→ The DCP provided is considered final and complete. It 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

→ In order to avoid any display and size problems, it is strongly recommended that the **subtitles be incrusted** into the image.
→ Otherwise, the subtitles must be .SRT Type in English.
→ The use of «subpicture» subtitles (.png images) is forbidden.

FRAME RATE

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

RESOLUTION

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

NAMING

→ 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 labeling transmitted to the Marché and the Screenings department team, and must be clearly interpretable. In particular, abbreviations and acronyms should be avoided.
→ Consistency is required between the different elements delivered.
→ A film must have the same title in its different versions (preferably its English title).

DCP INTERNET UPLOAD

→ The time it takes to upload the DCP for screening in Cannes depends mainly on your own upload speed. Due to the size of these files, we recommend a minimum speed of 100 Mbps for an optimal experience. Viapass, a partner of the Marché du Film, has set up several 10 Gbps links to receive multiple DCPs simultaneously.

BACK–UP COPY

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

VERIFICATION

→ The sooner the DCP is sent, the sooner it is possible to detect, and therefore act if a problem is found.
→ The DCPs are subject to a computer check before they are screened at the Marché du Film (for your information, only defects that prevent it from being read can be detected).
→ In the event of a defective DCP that cannot be screened, the Marché du Film will contact the company and offer two possible solutions. Either a new DCP (tested by the client on DCI digital cinema equipment) or the option 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.
→ We will not be considered as responsible for late delieveries or DCP failures.

POSTPRODUCTION LAB

→ The contact details of the laboratory must must be provided 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.

KDM & DKDM MANAGEMENT

Priority is given to the delivery of **unencrypted DCPs.**

IN THE CASE OF THE 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 provide the contact information of the laboratory, accessible 24/7. In case additional KDMs are needed (name of the person in charge, phone, email).

The certificate of our solution will be available from **April 28 2023.**

KEYS VALIDITY

→ The DKDMs and KDMs must be generated from **May 12 to May 28, 2023.**

→ The reception of DKDMs and KDMs will be possible from **May 2, 2023** at the following address: **kdm@festival-cannes.fr**.

ATTENTION this address is managed by a robot and does not allow individual answers. ***For all technical questions**, please contact* → **sts@festival-cannes.fr** *on April 3rd*

DELIVERY DEADLINES

All films and keys (DKDMs or KDMs) must be delivered with Viapass no later than Friday, May 12.

If the films are received after **May 12***, the company will be charged a late fee of* **250 euros (excluding VAT)** *per film.*

DCPs that are recieved on the day of the deadline are subject to longer confirmation times due to a massive influx.

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 kdm@festival-cannes.fr no later than May 12, and be valid from May 12 to May 28, 2023.

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

TECHNICAL GUIDE
ONLINE SCREENINGS

MARCHÉ DU FILM
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These recommendations only concern files intended for online screenings.

VIDEO RECOMMENDATIONS

Upload your film via **Cinando** no later than **May 9, 2023**.

FILM FILE UPLOAD

→ 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.

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 informaton about Cinando subtitles, click on the following **link**.

VIDEO SPECIFICATIONS

→ 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.
→ If you need to transcode your file, you can use the free software Handbrake and use the documentation **here** to help you.

AUDIO SPECIFICATIONS

→ Codec: AAC.
→ Minimum bitrate: 256 Kbps.
→ Upload only Stereo audio.

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: **www.whatsmybrowser.org** (maintained by Google).
→ You also need an up-to-date operating system, supported by the manufacturers.

INTERNET CONNECTION

→ 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 200GB for the best upload experience.
→ You can check your connection speed at **www.speedtest.net** (maintained by Ookla).

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.

The Marche du Film would like to thank all of its exclusive technical service providers for their loyal collaboration

Dolby **CHRISTIE** **CST**

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